PB82-112111

The Ohio River Basin Energy Facility Siting Model. Volume II: Sites and On-Line Dates

Ohio River Basin Energy Study
Urbana, IL

Prepared for

Environmental Protection Agency
Washington, DC

Sep 81

U.S. Department of Commerce
National Technical Information Service

TECHNICAL REPORT DATA

(Please read Instructions on the reverse before completing)

1. REPORT NO.
EPA-600/7-81-043

2.

3. RECIPIENT'S ACCESSION NO.
PB82 112111

4. TITLE AND SUBTITLE
The Ohio River Basin Energy Facility Siting Model:
Sites and On-Line Dates (volume II)

5. REPORT DATE
September 1981

6. PERFORMING ORGANIZATION CODE
U275014

7. AUTHOR(S)
Gary L. Fowler, J.C. Randolph, Robert E. Bailey,
Steven I. Gordon, Steven D. Jansen, and W.W. Jones

8. PERFORMING ORGANIZATION REPORT NO.

9. PERFORMING ORGANIZATION NAME AND ADDRESS
University of Illinois at Chicago Circle
Chicago, Illinois 60680

10. PROGRAM ELEMENT NO.
C2JN1E

11. CONTRACT/GRANT NO.
R805588, R805589, R805609
Subcontract under R805588

12. SPONSORING AGENCY NAME AND ADDRESS
U.S. Environmental Protection Agency
Office of Research and Development
Office of Environmental Engineering & Technology

13. TYPE OF REPORT AND PERIOD COVERED

14. SPONSORING AGENCY CODE
EPA-ORD

15. SUPPLEMENTARY NOTES
This project is part of the EPA-planned and coordinated Federal Interagency Energy/Environment Research and Development Program.

16. ABSTRACT

This report was prepared as part of the Ohio River Basin Energy Study (ORBES), a multidisciplinary policy research program supported by the Environmental Protection Agency. The siting model developed for ORBES is specifically designed for regional policy analysis. The region includes 423 counties in an area that consists of all of Kentucky and substantial portions of Illinois, Indiana, Ohio, Pennsylvania, and West Virginia.

This volume contained detailed schedules of county-level sites and on-line dates for coal-fired and nuclear-fueled generating unit additions for each ORBES scenario. In a companion volume, the methodology for the model is set forth.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Energy Conversion	Integrated Assessment Coal Nuclear	

18. DISTRIBUTION STATEMENT
release to public

19. SECURITY CLASS *(This Report)*
unclassified

20. SECURITY CLASS *(This page)*
unclassified

21. NO. OF PAGES
145

22. PRICE

EPA Form 2220-1 (9-73)

DISCLAIMER

This report has been reviewed by the Office of Research and Development, U.S. Environmental Protection Agency, and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the U.S. Environmental Protection Agency, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

FOREWORD

The Ohio River Basin Energy Study (ORBES) is an interdisciplinary, multi-university inquiry into the environmental, economic, and social impacts of energy facility development in a major portion of the Ohio River Basin. The study was initiated by the U.S. Environmental Protection Agency in 1976 in response to a directive from the U.S. Senate Appropriations Committee.

Most of the ORBES research was conducted by a group of faculty members at the University of Illinois, Indiana University, the University of Kentucky, the University of Louisville, The Ohio State University, the University of Pittsburgh, Purdue University, and West Virginia University. In a few instances, the necessary expertise was found at other universities or independent research organizations.

This report is one of a series produced in support of the overall ORBES assessment. For a summary of the entire study, see _Ohio River Basin Energy Study (ORBES): Main Report_, by the ORBES Core Team, also being published by the U.S. Environmental Protection Agency.

CONTENTS

Foreword iii

Tables vi

Figures xvii

Introduction 1

TABLES

Number		Page
1	Description of Scenarios and Siting Policies	2
2	Unsited Electrical Generating Unit Additions. Scenario 1: Conventional Technology, Coal Emphasis, Strict Environmental Controls, and Scenario 2: Conventional Technology, Coal Emphasis, Base Case Environmental Controls	4
3	Unsited Electrical Generating Unit Additions Scenario 2c: Conventional Technology, Nuclear Emphasis, Base Case Environmental Controls	5
4	Unsited Electrical Generating Unit Additions Scenario 3: Alternate Technology, Base Case Environmental Controls	6
5	Unsited Electrical Generating Unit Additions Scenario 4: Conventional Technology, Natural Gas Emphasis, Base Case Environmental Controls	7
6	Unsited Electrical Generating Unit Additions Scenario 5: Conventional Technology, Base Case Environmental Controls, Low Economic Growth	8
7	Unsited Electrical Generating Unit Additions Scenario 5a: Conventional Technology, Base Case Environmental Controls, Very High Economic Growth.	9
8	Unsited Electrical Generating Unit Additions Scenario 6: Conventional Technology, Base Case Environmental Controls, Very Low Energy Growth	10
9	Schedule and Sites for Capacity Additions, 1976-2000. Scenario 1: Conventional Technology, Strict Controls. State Subregion: Illinois	13

Number Page

10 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1: Conventional Technology, Strict Controls
State Subregion: Indiana 14

11 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1: Conventional Technology, Strict Controls
State Subregion: Kentucky. 15

12 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1: Conventional Technology, Strict Controls
State Subregion: Ohio. 16

13 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1: Conventional Technology, Strict Controls
State Subregion: Pennsylvania. 17

14 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1: Conventional Technology, Strict Controls
State Subregion: West Virginia 18

15 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1a: Very Strict Air Quality Controls, Dispersed Siting
State Subregion: Illinois. 20

16 Schedule ans Sites for Capacity Additions, 1976-2000
Scenario 1a: Very Strict Air Quality Controls, Dispersed Siting
State Subregion: Indiana 21

17 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1a: Very Strict Air Quality Controls, Dispersed Siting
State Subregion: Kentucky. 22

18 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1a: Very Strict Air Quality Controls, Dispersed Siting
State Subreigon: Ohio. 23

19 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1a: Very Strict Air Quality Controls, Dispersed Siting
State Subregion: Pennsylvania 24

20 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1a: Very Strict Air Quality Controls, Dispersed Siting
State Subregion: West Virginia 25

Number Page

21 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1b: Very Strict Air Quality Controls, Concentrated Siting
State Subregion: Illinois 27

22 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1b: Very Strict Air Quality Controls Concentrated Siting
State Subregion: Indiana 28

23 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1b: Very Strict Air Quality Controls, Concentrated Siting
State Subregion: Kentucky 29

24 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1b: Very Strict Air Quality Controls, Concentrated Siting
State Subregion: Ohio 30

25 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1b: Very Strict Air Quality Controls, Concentrated Siting
State Subreigon: Pennsylvania 31

26 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1b: Very Strict Air Quality Controls, Concentrated Siting
State Subregion: West Virginia. 32

27 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1c: Agricultural Lands Protection, Dispersed Siting
State Subregion: Illinois 34

28 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1c: Agricultural Lands Protection, Dispersed Siting
State Subregion: Indiana 35

29 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1c: Agricultural Lands Protection, Dispersed Siting
State Subregion: Kentucky 36

30 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1c: Agricultural Lands Protection, Dispersed Siting
State Subregion: Ohio 37

Number | Page

31 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1c: Agricultural Lands Protection, Dispersed Siting
State Subregion: Pennsylvania 38

32 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1c: Agricultural Lands Protection, Dispersed Siting
State Subregion: West Virginia. 39

33 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1d: Conventional Technology, Agricultural Lands Protection
State Subregion: Illinois 41

34 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1d: Conventional Technology, Agricultural Lands Protection
State Subregion: Indiana 42

35 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1d: Conventional Technology, Agricultural Lands Protection
State Subregion: Kentucky 43

36 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1d: Conventional Technology, Agricultural Lands Protection
State Subregion: Ohio 44

37 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1d: Conventional Technology, Agricultural Lands Protection
State Subregion: Pennsylvania 45

38 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 1d: Conventional Technology, Agricultural Lands Protection
State Subregion: West Virginia 46

39 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2: Conventional Technology, Base Case Controls
State Subregion: Illinois 48

40 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2: Conventional Technology, Base Case Controls
State Subregion: Indiana. 49

Number Page

41 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2: Conventional Technology, Base Case Controls
State Subregion: Kentucky 50

42 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2: Conventional Technology, Base Case Controls
State Subregion: Ohio 51

43 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2: Conventional Technology, Base Case Controls
State Subregion: Pennsylvania 52

44 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2: Conventional Technology, Base Case Controls
State Subregion: West Virginia. 53

45 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2a: Conventional Technology, Base Case Controls,
Coal-Fired Export
State Subregion: Illinois 55

46 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2a: Conventional Technology, Base Case Controls,
Coal-Fired Export
State Subregion: Indiana 56

47 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2a: Conventional Technology, Base Case Controls,
Coal-Fired Export
State Subregion: Kentucky 57

48 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2a: Conventional Technology, Base Case Controls,
Coal-Fired Export
State Subregion: Ohio 58

49 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2a: Conventional Technology, Base Case Controls,
Coal-Fired Export
State Subregion: Pennsylvania 59

50 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2a: Conventional Technology, Base Case Controls,
Coal-Fired Export
State Subregion: West Virginia. 60

51 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2b: Conventional Technology, Base Case controls,
Nuclear-Fueled Exports
State Subregion: Illinois 62

Number Page

52 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2b: Conventional Technology, Base Case Controls, Nuclear-Fuelled Exports
State Subregion: Indiana 63

53 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2b: Conventional Technology, Base Case Controls, Nuclear-Fuelled Exports
State Subregion: Kentucky. 64

54 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2b: Conventional Technology, Base Case Controls, Nuclear-Fuelled Exports
State Subregion: Ohio. 65

55 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2b: Conventional Technology, Base Case Controls, Nuclear-Fuelled Exports
State Subregion: Pennsylvania. 66

56 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2b: Conventional Technology, Base Case Controls, Nuclear-Fuelled Exports
State Subregion: West Virginia 67

57 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2c: Conventional Technology, Base Case Controls, Nuclear Emphasis
State Subregion: Illinois 69

58 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2c: Conventional Technology, Base Case Controls, Nuclear Emphasis
State Subregion: Indiana 70

59 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2c: Conventional Technology, Base Case Controls, Nuclear Emphasis
State Subregion: Kentucky. 71

60 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2c: Conventional Technology, Base Case Controls, Nuclear
State Subregion: Ohio 72

61 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2c: Conventional Technology, Base Case Controls, Nuclear Emphasis
State Subregion: Pennsylvania 73

Number Page

62 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 2c: Conventional Technology, Base Case Controls, Nuclear Emphasis
State Subregion: West Virginia 74

63 Schedule and SItes for Capacity Additions, 1976-2000
Scenario 3: Alternate Technology, Base Case Controls
State Subregion: Illinois. 76

64 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 3: Alternate Technology, Base Case Controls
State Subregion: Indiana 77

65 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 3: Alternate Technology, Base Case Controls
State Subregion: Kentucky. 78

66 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 3: Alternate Technology, Base Case Controls
State Subregion: Ohio. 79

67 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 3: Alternate Technology, Base Case Controls
State Subregion: Pennsylvania. 80

68 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 3: Alternate Technology, Base Case Controls
State Subregion: West Virginia 81

69 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 4: Conventional Technology, Natural Gas Emphasis, Base Case Controls
State Subregion: Illinois. 83

70 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 4: Conventional Technology, Natural Gas Emphasis, Base Case Controls
State Subregion: Indiana 84

71 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 4: Conventional Technology, Natural Gas Emphasis, Base Case Controls
State Subregion: Kentucky. 85

72 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 4: Conventional Technology, Natural Gas Emphasis, Base Case Controls
State Subregion: Ohio. 86

Number Page

73 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 4: Conventional Technology, Natural Gas Emphasis, Base Case Controls
State Subregion: Pennsylvania 87

74 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 4: Conventional Technology, Natural Gas Emphasis, Base Case Controls
State Subregion: West Virginia. 88

75 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 5: Conventional Technology, Base Case Controls, Low Economic Growth
State Subregion: Illinois 90

76 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 5: Conventional Technology, Base Case Controls, Low Economic Growth
State Subregion: Indiana. 91

77 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 5: Conventional Technology, Base Case Controls, Low Economic Growth
State Subregion: Kentucky 92

78 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 5: Conventional Technology, Base Case Controls, Low Economic Growth
State Subregion: Ohio 93

79 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 5: Conventional Technology, Base Case Controls, Low Economic Growth
State Subregion: Pennsylvania 94

80 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 5: Conventional Technology, Base Case Controls, Low Economic Growth
State Subregion: West Virginia. 95

81 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 5a: Conventional Technology, Base Case Controls, Very High Economic Growth
State Subregion: Illinois 97

82 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 5a: Conventional Technology, Base Case Controls, Very High Economic Growth
State Subregion: Indiana. 98

Number Page

83 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 5a: Conventional Technology, Base Case Controls, Very High Economic Growth
State Subregion: Kentucky 99

84 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 5a: Conventional Technology, Base Case Controls, Very High Economic Growth
State Subregion: Ohio 100

85 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 5a: Conventional Technology, Base Case Controls, Very High Economic Growth
State Subregion: Pennsylvania 101

86 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 5a: Conventional Technology, Base Case Controls, Very High Economic Growth
State Subregion: West Virginia. 102

87 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 6: Conventional Technology, Base Case Controls, Very Low Energy Growth
State Subregion: Illinois 104

88 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 6: Conventional Technology, Base Case Controls, Very Low Energy Growth
State Subregion: Indiana. 105

89 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 6: Conventional Technology, Base Case Controls, Very Low Energy Growth
State Subregion: Kentucky 106

90 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 6: Conventional Technology, Base Case Controls, Very Low Energy Growth
State Subregion: Ohio 107

91 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 6: Conventional Technology, Base Case Controls, Very Low Energy Growth
State Subregion: Pennsylvania 108

92 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 6: Conventional Technology, Base Case Controls Very Low Energy Growth
State Subregion: West Virginia. 109

Number Page

93 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 35 Year Plant Life
State Subregion: Illinois 111

94 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 35 Year Plant Life
State Subregion: Indiana. 112

94 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 35 Year Plant Life
State Subregion: Indiana (continued). 113

95 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 35 Year Plant Life
State Subregion: Kentucky 114

95 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 35 Year Plant Life
State Subregion: Kentucky (continued) 115

96 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 35 Year Plant Life
State Subregion: Ohio 116

97 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 35 Year Plant Life
State Subregion: Pennsylvania 117

98 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 35 Year Plant Life
State Subregion: West Virginia. 118

Number Page

99 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 45 Year Plant Life
State Subregion: Illinois 120

100 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 45 Year Plant Life
State Subregion: Indiana. 121

101 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 45 Year Plant Life
State Subregion: Kentucky 122

101 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 45 Year Plant Life
State Subregion: Kentucky (continued) 123

102 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 45 Year Plant Life
State Subregion: Ohio 124

103 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 45 Year Plant Life
State Subregion: Pennsylvania 125

104 Schedule and Sites for Capacity Additions, 1976-2000
Scenario 7: Conventional Technology, Base Case Controls, High Electricity Energy Growth, 45 Year Plant Life
State Subregion: West Virginia. 126

FIGURES

Number | Page

1 Scenario 1: Conventional Technology, Strict Environmental Controls, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000 11

2 Scenario 2: Conventional Technology, Strict Environmental Controls, Total Proposed Nuclear Generating Capacity Additions, 1976-1985, No Scenario Unit Additions, 1986-2000 12

3 Scenario 1a: Very Strict Air Quality Controls, Dispersed Siting, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000 19

4 Scenario 1b: Very Strict Air Quality Controls, Concentrated Siting, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000 . . . 26

5 Scenario 1c: Agricultural Lands Protection, Dispersed Siting, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000. 33

6 Scenario 1d: Agricultural Land Protection, Concentrated Siting, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000 . . . 40

7 Scenario 2: Conventional Technology, Base Case Controls, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000. 47

8 Scenario 2a: Conventional Technology, Base Case Controls, Coal-Fired Export, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000 54

9 Scenario 2b: Conventional Technology, Base Case Controls, Nuclear-Fueled Export, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000 61

Number | | Page
10 Scenario 2c: Conventional Technology, Base Case Controls, Nuclear Emphasis, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000 68

11 Scenario 3: Alternate Technology, Base Case Controls, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000 75

12 Scenario 4: Conventional Technology, Natural Gas Emphasis, Base Case Controls, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000. 82

13 Scenario 5: Conventional Technology, Base Case Controls, Low Economic Growth, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000. 89

14 Scenario 5a: Conventional Technology, Base Case Controls, Very High Economic Growth, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1985-2000 96

15 Scenario 6: Conventional Technology, Base Case Controls, Very Low Energy Growth, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000. 103

16 Scenario 7: 35 Year Life, Conventional Coal Emphasis, Base Case, High Electrical Energy Growth, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000 110

17 Scenario 7: 45 Year Life, Conventional Coal Emphasis, Base Case, High Electrical Energy Growth, Total Proposed Coal-Fired Generating Capacity Additions, 1976-1985, Plus Scenario Unit Additions, 1986-2000 119

INTRODUCTION

This volume contains detailed schedules of county-level sites and on-line dates for coal-fired and nuclear-fueled electrical generating unit additions for each Ohio River Basin Energy Study (ORBES) scenario. The tables for each state subregion have a common format. The schedule of capacity additions post-1975 that the utilities have announced, and for which county-level locations are known, are in the left-hand columns. These include the on-line date (year); unit name and designation; primary fuel; and size, in MWe.[1] These schedules are the same for all scenario except those with very low energy growth, or with large-scale fuel substitution. The scenario unit additions are in the right hand columns. These units, which are designated by county name only, are located according to the ORBES siting model. Each is a standard size 650 MWe for coal-fired units; and 1000 MWe for nuclear-fueled units.

The geographical distribution of electrical generating capacity addition for each scenario is shown on base maps of the scheduled additions for the six-state region. The base maps show the aggregate coal-fired or nuclear-fueled capacity, in MWe, that are scheduled to come on-line after 1975. Because the units vary in size, the MWe is aggregated at county-level.[2] The number of scenario unit additions for each county is superimposed on this pattern in order to visually distinguish near-term from long-term patterns. Each scenario unit is a standard size. Unit additions that are located in a state subregion other than the one to which they are originally allocated are in circles. Each scenario has a map of scheduled capacity additions and scenario unit additions for coal-fired units. Maps of nuclear-fueled capacity additions are included only if scenario units are added to the schedule of announced utility additions.

---

[1] The data are from: S. D. Jansen, University of Illinois at Chicago Circle, "Electrical Generating Unit Inventory, 1976-1985: Illinois, Indiana, Kentucky, Ohio, Pennsylvania, and West Virginia," Ohio River Basin Energy Study Phase II, Grant No. EPA R80559 (Washington, D.C., November 1978).

[2] The exact MWe for each county is in: G. L. Fowler et al, University of Illinois at Chicago Circle, "The Ohio River Basin Energy Study Energy Facility Siting Model: Methodology," Ohio River Basin Energy Study Phase II, Grant Nos. EPA R805588, R805589, and R805609 and Subcontract under Prime Contract EPA R805588 (Washington, D.C., November, 1980), Appendix A.

Table 1. DESCRIPTION OF SCENARIOS AND SITING POLICIES[a]

Scenario	Technology	Primary Fuel 1986-2000	Growth Rates Energy	Growth Rates Economic	Environmental Control Policy	Siting Policy
1	Conventional	Coal		High	Strict	Strict
1a					Very stringent air quality	Dispersed
1b						Concentrated
1c					Agricultural lands protection	Dispersed
1d						Concentrated
2	Conventional	Coal		High	Base Case	Base Case
2d					Lax air quality standards	
2i					Once-through cooling for plants on Ohio River main stem	
2a			Coal-fired exports			Coal-fired exports
2a2					Once-through cooling for plants on Ohio River main stem	
2c	Conventional	Nuclear		High	Base Case	Base Case
2b			Nuclear-fueled exports			Nuclear-fueled exports
2b1					Once-through cooling for plants on Ohio River main stem	

Table 1. Continued

Scenario	Technology	Primary Fuel 1986-2000	Growth Rates		Environmental Control Policy	Siting Policy
			Energy	Economic		
3	Alternative	Alternative		High	Base Case	Base Case
4	Conventional	Natural Gas		High	Base Case	Base Case
5	Conventional	Coal		Low	Base Case	Base Case
5a				Very High		
6	Conventional	Coal	Very Low	High	Base Case	Base Case
7	Conventional	Coal	High	High	Base Case	Base Case
7a					Least emissions dispatch	

[a] The basic scenarios are enclosed in boxes, followed by other scenarios that are derived from them in order to assess changes in impacts that might occur as the result of specific policy options. The policy options are specified in the descriptions of derivative scenarios.

Table 2. UNSITED ELECTRICAL GENERATING UNIT ADDITIONS

SCENARIO 1: CONVENTIONAL TECHNOLOGY, COAL EMPHASIS, STRICT ENVIRONMENTAL CONTROLS
SCENARIO 2: CONVENTIONAL TECHNOLOGY, COAL EMPHASIS, BASE CASE ENVIRONMENTAL CONTROLS

		1975	1976 - 1985		1985		1986 - 2000		2000					
										SCENARIO				
SUBREGION (1)	FUEL (2)	SITED CAPACITY MWe (3)	SITED ADDITIONS MWe (4)	REMOVALS MWe (5)	SITED CAPACITY MWe (6)	STATE SHARE % (7)	SITED ADDITIONS MWe (8)	REMOVALS MWe (9)	SITED CAPACITY MWe (10)	x 10^{15} Btu (11)	MWe (12)	UNSITED CAPACITY MWe (13)	UNSITED UNITS # (14)	RESIDUAL MWe (15)
ILLINOIS	Coal	10,512	4,399	-511	14,400	14.28	1,273	-3,631	12,042	0.3025	20,241	8,199	13	+251
	Nuclear	1,865	4,056	—	5,921	54.7	—	-209	5,712	0.115	5,919	207	0	-207
INDIANA	Coal	10,114	8,951	-534	18,531	18.37	1,000	-5,272	14,259	0.3892	26,043	11,784	18	-84
	Nuclear	—	2,260	—	2,260	20.9	—	—	2,260	0.044	2,265	5	0	-5
KENTUCKY	Coal	10,948	8,880	-837	18,991	18.83	2,150	-4,962	16,179	0.3989	26,692	10,513	16	-113
	Nuclear	—	—	—	—	0.0	—	—	—	—	—	—	—	—
OHIO	Coal	17,034	3,927	-1,438	19,523	19.35	—	-5,160	14,363	0.4099	27,428	13,065	20	-65
	Nuclear	—	810	—	810	7.5	810	—	1,620	0.016	824	-796	0	+796
PENNSYLVANIA	Coal	9,691	6,134	-336	15,489	15.36	—	-2,525	12,964	0.3254	21,774	8,810	14	+290
	Nuclear	—	1,830	—	1,830	16.9	—	—	1,830	0.035	1,802	-28	0	+28
WEST VIRGINIA	Coal	11,966	2,552	-582	13,936	13.82	—	-3,670	10,266	0.2928	19,592	9,326	14	-226
	Nuclear	—	—	—	—	0.0	—	—	—	—	—	—	—	—
TOTAL	Coal	70,265	34,843	-4,238	100,870	100.01	4,423	-25,220	80,073	2.1185[a]	141,770[b]	61,697	95	+53
	Nuclear	1,865	8,956	—	10,821	100.0	810	-209	11,422	0.210	10,810[b]	-612	0	+612

[a] Column does not add to total due to rounding.

[b] Calculation based on total is slightly different from sum of columns given here.

Table 3. UNSITED ELECTRICAL GENERATING UNIT ADDITIONS

SCENARIO 2c: CONVENTIONAL TECHNOLOGY, NUCLEAR EMPHASIS, BASE CASE ENVIRONMENTAL CONTROLS

		1975	1976 - 1985		1985		1986 - 2000		2000					
										SCENARIO				
SUBREGION (1)	FUEL (2)	SITED CAPACITY MWe (3)	SITED ADDITIONS MWe (4)	REMOVALS MWe (5)	SITED CAPACITY MWe (6)	STATE SHARE % (7)	SITED ADDITIONS MWe (8)	REMOVALS MWe (9)	SITED CAPACITY MWe (10)	x 10^{15} Btu (11)	MWe (12)	UNSITED CAPACITY MWe (13)	UNSITED UNITS # (14)	RESIDUAL MWe (15)
ILLINOIS	Coal	10,512	4,399	-511	14,400	14.28	1,273	-3,631	12,042	0.215	14,387	2,345	4	+255
	Nuclear	1,865	4,056	—	5,921	54.7	—	-209	5,712	0.475	24,439	18,727	19	+273
INDIANA	Coal	10,114	8,951	-534	18,531	18.37	1,000	-5,272	14,259	0.277	18,535	4,276	6	-376
	Nuclear	—	2,260	—	2,260	20.9	—	—	2,260	0.181	9,338	7,078	7	- 78
KENTUCKY	Coal	10,948	8,880	-837	18,991	18.83	2,150	-4,962	16,179	0.284	19,004	2,825	4	-225
	Nuclear	—	—	—	—	0.0	—	—	—	—	—	—	—	—
OHIO	Coal	17,034	3,927	-1,438	19,523	19.35	—	-5,160	14,363	0.292	19,539	5,176	8	+ 24
	Nuclear	—	810	—	810	7.5	810	—	1,620	0.065	3,351	1,731	2	+269
PENNSYLVANIA	Coal	9,691	6,134	-336	15,489	15.36	—	-2,525	12,964	0.232	15,524	2,560	4	+ 40
	Nuclear	—	1,830	—	1,830	16.9	—	—	1,830	0.147	7,551	5,721	5	-721
WEST VIRGINIA	Coal	11,966	2,552	-582	13,936	13.82	—	-3,670	10,266	0.208	13,918	3,652	6	+248
	Nuclear	—	—	—	—	0.0	—	—	—	—	—	—	—	—
TOTAL	Coal	70,265	34,843	-4,238	100,870	100.01	4,423	-25,220	80,073	1.508	100,907	20,834	32	- 34
	Nuclear	1,865	8,956	—	10,821	100.0	810	-209	11,422	0.868	44,679	33,257	33	-257

Table 4. UNSITED ELECTRICAL GENERATING UNIT ADDITIONS

SCENARIO 3: ALTERNATE TECHNOLOGY, BASE CASE ENVIRONMENTAL CONTROLS

		1975	1976 - 1985		1985		1986 - 2000		2000					
										SCENARIO				
SUBREGION (1)	FUEL (2)	SITED CAPACITY MWe (3)	SITED ADDITIONS MWe (4)	REMOVALS MWe (5)	SITED CAPACITY MWe (6)	STATE SHARE % (7)	SITED ADDITIONS MWe (8)	REMOVALS MWe (9)	SITED CAPACITY MWe (10)	x 10^{15} Btu (11)	MWe (12)	UNSITED CAPACITY MWe (13)	UNSITED UNITS # (14)	RESIDUAL MWe (15)
ILLINOIS	Coal	10,512	4,399	-511	14,400	14.28	1,273	-3,631	12,042	0.2618	17,521	5,479	9	+371
	Nuclear	1,865	4,056	—	5,921	54.7	—	-209	5,712	0.115	5,919	207	0	-207
INDIANA	Coal	10,114	8,951	-534	18,531	18.37	1,000	-5,272	14,259	0.3368	22,539	8,280	13	+170
	Nuclear	—	2,260	—	2,260	20.9	—	—	2,260	0.044	2,265	5	0	-5
KENTUCKY	Coal	10,948	8,880	-837	18,991	18.83	2,150	-4,962	16,179	0.3453	23,103	6,924	11	+226
	Nuclear	—	—	—	—	0.0	—	—	—	—	—	—	—	—
OHIO	Coal	17,034	3,927	-1,438	19,523	19.35	—	-5,160	14,363	0.3548	23,741	9,378	14	-278
	Nuclear	—	810	—	810	7.5	810	—	1,620	0.016	824	-796	0	+796
PENNSYLVANIA	Coal	9,691	6,134	-336	15,489	15.36	—	-2,525	12,964	0.2816	18,846	5,882	9	-32
	Nuclear	—	1,830	—	1,830	16.9	—	—	1,830	0.035	1,802	-28	0	+28
WEST VIRGINIA	Coal	11,966	2,552	-582	13,936	13.82	—	-3,670	10,266	0.2534	16,956	6,690	10	-190
	Nuclear	—	—	—	—	0.0	—	—	—	—	—	—	—	—
TOTAL	Coal	70,265	34,843	-4,238	100,870	100.01	4,423	-25,220	80,073	1.8336[a]	122,706[b]	42,633	66	+267
	Nuclear	1,865	8,956	—	10,821	100.0	810	-209	11,422	0.210	10,810[b]	-612	0	+612

[a] Column does not add to total due to rounding.

[b] Calculation based on total is slightly different from sum of columns given here.

Table 5. UNSITED ELECTRICAL GENERATING UNIT ADDITIONS

SCENARIO 4: CONVENTIONAL TECHNOLOGY, NATURAL GAS EMPHASIS, BASE CASE ENVIRONMENTAL CONTROLS

		1975	1976 - 1985		1985		1986 - 2000		2000					
										SCENARIO				
SUBREGION (1)	FUEL (2)	SITED CAPACITY MWe (3)	SITED ADDITIONS MWe (4)	REMOVALS MWe (5)	SITED CAPACITY MWe (6)	STATE SHARE % (7)	SITED ADDITIONS MWe (8)	REMOVALS MWe (9)	SITED CAPACITY MWe (10)	x 10^{15} Btu (11)	MWe (12)	UNSITED CAPACITY MWe (13)	UNSITED UNITS # (14)	RESIDUAL MWe (15)
ILLINOIS	Coal	10,512	4,399	-511	14,400	14.28	1,273	-3,631	12,042	0.2179	14,581	2,539	4	+61
	Nuclear	1,865	4,056	—	5,921	54.7	—	-209	5,712	0.115	5,919	207	0	-207
INDIANA	Coal	10,114	8,951	-534	18,531	18.37	1,000	-5,272	14,259	0.2803	18,756	4,497	7	+53
	Nuclear	—	2,260	—	2,260	20.9	—	—	2,260	0.044	2,265	5	0	-5
KENTUCKY	Coal	10,948	8,880	-837	18,991	18.83	2,150	-4,962	16,179	0.2873	19,224	3,045	5	+205
	Nuclear	—	—	—	—	0.0	—	—	—	—	—	—	—	—
OHIO	Coal	17,034	3,927	-1,438	19,523	19.35	—	-5,160	14,363	0.2952	19,753	5,390	8	-190
	Nuclear	—	810	—	810	7.5	810	—	1,620	0.016	824	-796	0	+796
PENNSYLVANIA	Coal	9,691	6,134	-336	15,489	15.36	—	-2,525	12,964	0.2343	15,678	2,714	4	-114
	Nuclear	—	1,830	—	1,830	16.9	—	—	1,830	0.035	1,802	-28	0	+28
WEST VIRGINIA	Coal	11,966	2,552	-582	13,936	13.82	—	-3,670	10,266	0.2109	14,112	3,846	6	+54
	Nuclear	—	—	—	—	0.0	—	—	—	—	—	—	—	—
TOTAL	Coal	70,265	34,843	-4,238	100,870	100.01	4,423	-25,220	80,073	1.5257[a]	102,104[b]	22,031	34	+69
	Nuclear	1,865	8,956	—	10,821	100.0	810	-209	11,422	0.210	10,810[b]	-612	0	+612

[a] Column does not add to total due to rounding.

[b] Calculation based on total is slightly different from sum of columns given here.

Table 6. UNSITED ELECTRICAL GENERATING UNIT ADDITIONS

SCENARIO 5: CONVENTIONAL TECHNOLOGY, BASE CASE ENVIRONMENTAL CONTROLS, LOW ECONOMIC GROWTH

		1975	1976 - 1985		1985		1986 - 2000		2000					
										SCENARIO				
SUBREGION (1)	FUEL (2)	SITED CAPACITY MWe (3)	SITED ADDITIONS MWe (4)	REMOVALS MWe (5)	SITED CAPACITY MWe (6)	STATE SHARE % (7)	SITED ADDITIONS MWe (8)	REMOVALS MWe (9)	SITED CAPACITY MWe (10)	$\times 10^{15}$Btu (11)	MWe (12)	UNSITED CAPACITY MWe (13)	UNSITED UNITS # (14)	RESIDUAL MWe (15)
ILLINOIS	Coal	10,512	4,399	-511	14,400	14.28	1,273	-3,631	12,042	0.2790	18,671	6,629	10	-129
	Nuclear	1,865	4,056	—	5,921	54.7	—	-209	5,712	0.115	5,919	207	0	-207
INDIANA	Coal	10,114	8,951	-534	18,531	18.37	1,000	-5,272	14,259	0.3589	24,018	9,759	15	-9
	Nuclear	—	2,260	—	2,260	20.9	—	—	2,260	0.044	2,265	5	0	-5
KENTUCKY	Coal	10,948	8,880	-837	18,991	18.83	2,150	-4,962	16,179	0.3679	24,620	8,441	13	+9
	Nuclear	—	—	—	—	0.0	—	—	—	—	—	—	—	—
OHIO	Coal	17,034	3,927	-1,438	19,523	19.35	—	-5,160	14,363	0.3781	25,300	10,937	17	+113
	Nuclear	—	810	—	810	7.5	810	—	1,620	0.016	824	-796	0	+796
PENNSYLVANIA	Coal	9,691	6,134	-336	15,489	15.36	—	-2,525	12,964	0.3001	20,083	7,119	11	+31
	Nuclear	—	1,830	—	1,830	16.9	—	—	1,830	0.035	1,802	-28	0	+28
WEST VIRGINIA	Coal	11,966	2,552	-582	13,936	13.82	—	-3,670	10,266	0.2700	18,069	7,803	12	-3
	Nuclear	—	—	—	—	0.0	—	—	—	—	—	—	—	—
TOTAL	Coal	70,265	34,843	-4,238	100,870	100.01	4,423	-25,220	80,073	1.9540[a]	130,761[b]	50,688	78	+12
	Nuclear	1,865	8,956	—	10,821	100.0	810	-209	11,422	0.210	10,810[b]	-612	0	+612

[a] Column does not add to total due to rounding.

[b] Calculation based on total is slightly different from sum of columns given here.

Table 7. UNSITED ELECTRICAL GENERATING UNIT ADDITIONS

SCENARIO 5a: CONVENTIONAL TECHNOLOGY, BASE CASE ENVIRONMENTAL CONTROLS, VERY HIGH ECONOMIC GROWTH

		1975	1976 - 1985		1985		1986 - 2000		2000					
SUBREGION (1)	FUEL (2)	SITED CAPACITY MWe (3)	SITED ADDITIONS MWe (4)	REMOVALS MWe (5)	SITED CAPACITY MWe (6)	STATE SHARE % (7)	SITED ADDITIONS MWe (8)	REMOVALS MWe (9)	SITED CAPACITY MWe (10)	SCENARIO x 10^{15} Btu (11)	SCENARIO MWe (12)	UNSITED CAPACITY MWe (13)	UNSITED UNITS # (14)	RESIDUAL MWe (15)
ILLINOIS	Coal	10,512	4,399	-511	14,400	14.28	1,273	-3,631	12,042	0.346	23,166	11,124	17	- 74
	Nuclear	1,865	4,056	—	5,921	54.7	—	-209	5,712	0.115	5,919	207	0	-207
INDIANA	Coal	10,114	8,951	-534	18,531	18.37	1,000	-5,272	14,259	0.445	29,801	15,542	24	+ 58
	Nuclear	—	2,260	—	2,260	20.9	—	—	2,260	0.044	2,265	5	0	- 5
KENTUCKY	Coal	10,948	8,880	-837	18,991	18.83	2,150	-4,962	16,179	0.457	30,547	14,368	22	- 68
	Nuclear	—	—	—	—	0.0	—	—	—	—	—	—	—	—
OHIO	Coal	17,034	3,927	-1,438	19,523	19.35	—	-5,160	14,363	0.469	31,391	17,028	26	-128
	Nuclear	—	810	—	810	7.5	810	—	1,620	0.016	824	-796	0	+796
PENNSYLVANIA	Coal	9,691	6,134	-336	15,489	15.36	—	-2,525	12,964	0.372	24,918	11,954	18	-254
	Nuclear	—	1,830	—	1,830	16.9	—	—	1,830	0.035	1,802	-28	0	+ 28
WEST VIRGINIA	Coal	11,966	2,552	-582	13,936	13.82	—	-3,670	10,266	0.335	22,420	12,154	19	+196
	Nuclear	—	—	—	—	0.0	—	—	—	—	—	—	—	—
TOTAL	Coal	70,265	34,843	-4,238	100,870	100.01	4,423	-25,220	80,073	2.424	162,243[a]	82,170[a]	126	-270
	Nuclear	1,865	8,956	—	10,821	100.0	810	-209	11,422	0.210	10,810[a]	-612	0	+612

[a] Calculation based on total is slightly different from sum of columns given here.

Table 8. UNSITED ELECTRICAL GENERATING UNIT ADDITIONS

SCENARIO 6: CONVENTIONAL TECHNOLOGY, BASE CASE ENVIRONMENTAL CONTROLS, VERY LOW ENERGY GROWTH

		1975	1976 - 1985		1985		1986 - 2000		2000					
										SCENARIO				
SUBREGION (1)	FUEL (2)	SITED CAPACITY MWe (3)	SITED ADDITIONS MWe (4)	REMOVALS MWe (5)	SITED CAPACITY MWe (6)	STATE SHARE % (7)	SITED ADDITIONS MWe (8)	REMOVALS MWe (9)	SITED CAPACITY MWe (10)	$\times 10^{15}$ Btu (11)	MWe (12)	UNSITED CAPACITY MWe (13)	UNSITED UNITS # (14)	RESIDUAL MWe (15)
ILLINOIS	Coal	10,512	4,399	-511	14,400	14.28	1,273	-3,631	12,042	0.198	13,271	1,229	2	+ 71
	Nuclear	1,865	4,056	—	5,921	54.7	—	-209	5,712	0.115	5,919	207	0	-207
INDIANA	Coal	10,114	8,951	-534	18,531	18.37	1,000	-5,272	14,259	0.255	17,072	2,813	4	-213
	Nuclear	—	2,260	—	2,260	20.9	—	—	2,260	0.044	2,265	5	0	- 5
KENTUCKY	Coal	10,948	8,880	-837	18,991	18.83	2,150	-4,962	16,179	0.262	17,500	1,321	2	- 21
	Nuclear	—	—	—	—	0.0	—	—	—	—	—	—	—	—
OHIO	Coal	17,034	3,927	-1,438	19,523	19.35	—	-5,160	14,363	0.269	17,983	3,620	6	+280
	Nuclear	—	810	—	810	7.5	810	—	1,620	0.016	824	-796	0	+796
PENNSYLVANIA	Coal	9,691	6,134	-336	15,489	15.36	—	-2,525	12,964	0.213	14,275	1,311	2	- 11
	Nuclear	—	1,830	—	1,830	16.9	—	—	1,830	0.035	1,802	-28	0	+ 28
WEST VIRGINIA	Coal	11,966	2,552	-582	13,936	13.82	—	-3,670	10,266	0.192	12,844	2,578	4	+ 22
	Nuclear	—	—	—	—	0.0	—	—	—	—	—	—	—	—
TOTAL	Coal	70,265	34,843	-4,238	100,870	100.01	4,423	-25,220	80,073	1.389	92,945[a]	12,872	20	+128
	Nuclear	1,865	8,956	—	10,821	100.0	810	-209	11,422	0.210	10,810	-612	0	+612

[a] Calculation based on total is slightly different from sum of columns given here.

Figure 1. SCENARIO I: CONVENTIONAL TECHNOLOGY, STRICT CONTROLS
TOTAL PROPOSED COAL-FIRED GENERATING
CAPACITY ADDITIONS, 1976-85
PLUS SCENARIO UNIT ADDITIONS, 1986-2000

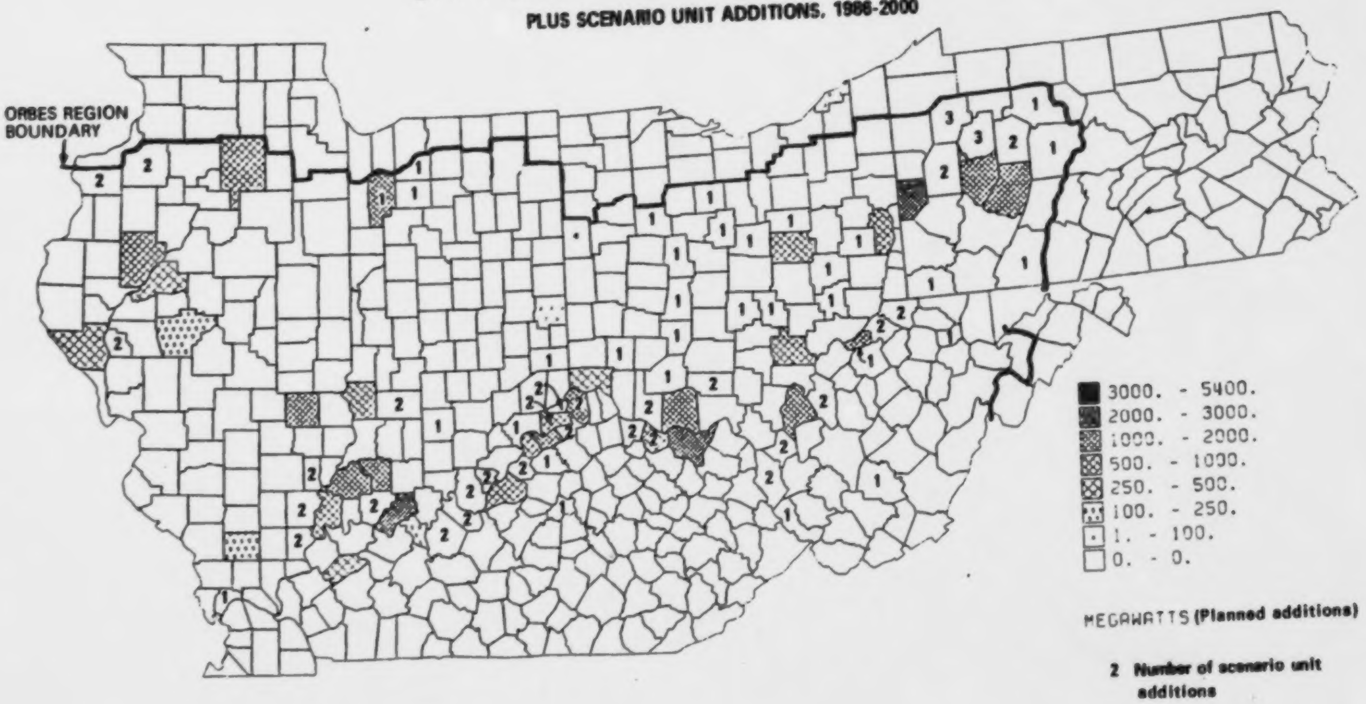

ORBES REGION BOUNDARY
3000. - 5400.
2000. - 3000.
1000. - 2000.
500. - 1000.
250. - 500.
100. - 250.
1. - 100.
0. - 0.
MEGAWATTS (Planned additions)
2 Number of scenario unit additions

Figure 2. SCENARIO I: CONVENTIONAL TECHNOLOGY, STRICT CONTROLS
TOTAL PROPOSED NUCLEAR GENERATING CAPACITY ADDITIONS, 1976-85
NO SCENARIO UNIT ADDITIONS, 1986- 2000

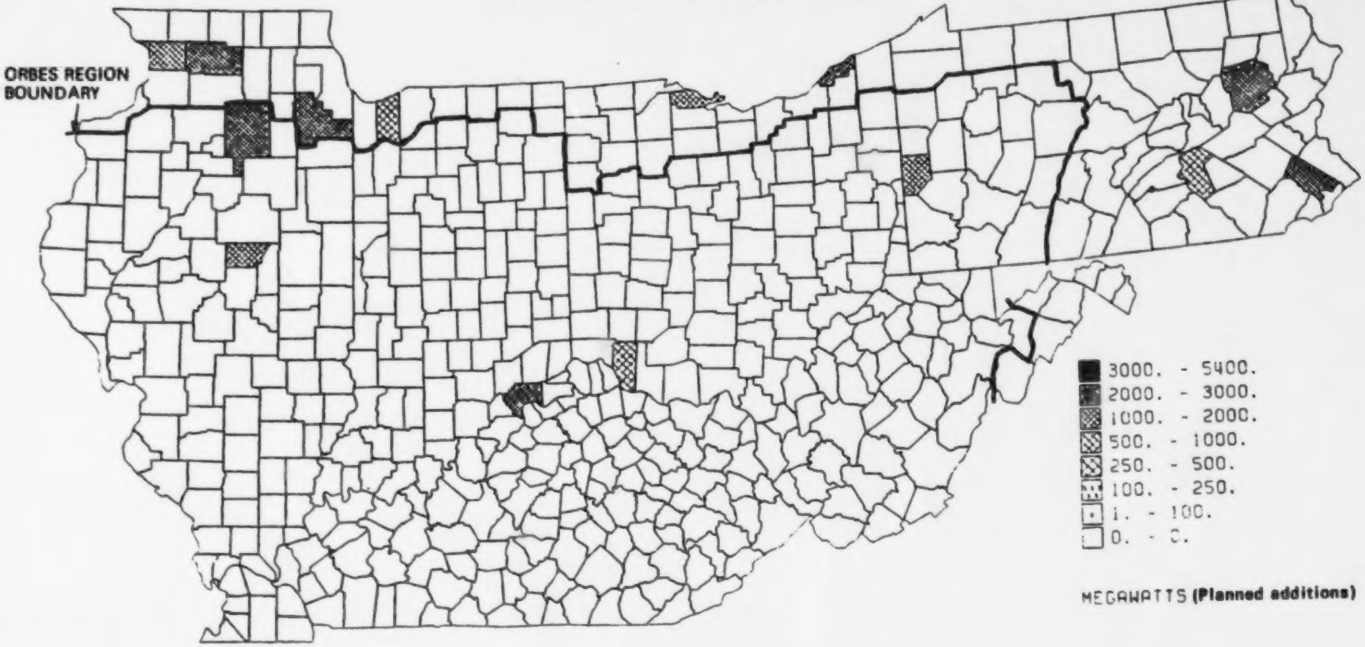

ORBES REGION BOUNDARY
3000. - 5400.
2000. - 3000.
1000. - 2000.
500. - 1000.
250. - 500.
100. - 250.
1. - 100.
0. - 0.
MEGAWATTS (Planned additions)

Table 9. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1: CONVENTIONAL TECHNOLOGY, STRICT CONTROLS
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Mason	Havana 6	450	C			
	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	LaSalle	LaSalle 1	1078	N			
1980	LaSalle	LaSalle 2	1078	N			
1981	Jasper	Newton 2	600	C			
	DeWitt	Clinton 1	950	N			
1982	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 3	600	C			
	Pike	Pearl Station 2	400	C			
	DeWitt	Clinton 2	950	N			
1985	LaSalle	Unsited P3	550	C			
1986	Williamson	Marion 5	173	C	Mercer	650	C
1987					Edwards	650	C
1988					Mercer	650	C
1989	Fulton	Duck Creek 3	500	C			
1990	Fulton	Duck Creek 4	600	C			
1991					Edwards	650	C
1992					Scott	650	C
1993					Henry	650	C
1994					Scott	650	C
1995					Henry	650	C
1996					White	650	C
1997					Gallatin	650	C
1998					White	650	C
1999					Gallatin	650	C
2000					Pulaski	650	C

Table 10. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1: CONVENTIONAL TECHNOLOGY, STRICT CONTROLS
STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1977	Pike	Petersburg 3	532	C			
1978	Gibson	Gibson 3	650	C			
1979	Jasper	Schaffer 15	556	C			
	Posey	Brown 1	265	C			
	Gibson	Gibson 4	650	C			
1980	Sullivan	Merom 1	490	C			
1981	Sullivan	Merom 2	490	C			
	Spencer	Rockport 1	1300	C			
1982	Pike	Petersburg 4	532	C			
	Spencer	Rockport 2	1300	C			
	Jefferson	Marble Hill 1	1130	N			
1983	Posey	Brown 2	265	C			
1984	Jefferson	Marble Hill 2	1130	N			
1985	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1986					Switzerland	650	C
1987	Posey	Brown 3	500	C	Ohio	650	C
1988					Switzerland	650	C
1989					Ohio	650	C
1990					Jefferson	650	C
1991					Starke	650	C
1992					Pulaski	650	C
1993	Posey	Brown 4	500	C	Jasper	650	C
1994					Warrick	650	C
					Harrison	650	C
1995					Warrick	650	C
1996					Harrison	650	C
					Greene	650	C
1997					Floyd	650	C
1998					Greene	650	C
					Floyd	650	C
1999					Franklin	650	C
2000					Lawrence	650	C

Table 11. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1: CONVENTIONAL TECHNOLOGY, STRICT CONTROLS
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1977	Carroll	Ghent 2	550	C			
	Mason	Spurlock 1	300	C			
1978	Jefferson	Mill Creek 3	425	C			
1979	Webster	Green 1	240	C			
1980	Boone	East Bend 1	600	C			
	Jefferson	Mill Creek 4	495	C			
	Webster	Green 2	240	C			
1981	Carroll	Ghent 3	550	C			
	Mason	Spurlock 2	500	C			
1983	Trimble	Trimble 1	495	C			
	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1984	Lewis	Lewis 2	1300	C			
	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1985	Trimble	Trimble 2	495	C			
1986					Bracken	650	C
1987	Boone	East Bend 3	800	C			
1988	Trimble	Trimble 3	675	C	Bracken	650	C
1989					Gallatin	650	C
1990					Oldham	650	C
1991	Trimble	Trimble 4	675	C	Gallatin	650	C
1992					Oldham	650	C
1993					Mason	650	C
1994					Meade	650	C
1995					Mason	650	C
					Meade	650	C
1996					Boone	650	C
1997					Breckenridge	650	C
					Boone	650	C
1998					Breckenridge	650	C
1999					Anderson	650	C
2000					Henry	650	C

Table 12. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1: CONVENTIONAL TECHNOLOGY, STRICT CONTROLS
STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
	Coshocton	Conesville 6	403	C			
1979	Clermont	Zimmer 1	810	N			
1982	Adams	Killen 2	600	C			
1983	Athens	Poston 5	403	C			
1985	Adams	Killen 1	600	C			
	Athens	Poston 6	403	C			
1986					Brown	650	C
					Pike	650	C
1987					Brown	650	C
1988					Pike	650	C
1989					Warren	650	C
					Guernsey	650	C
1990					Harrison	650	C
					Perry	650	C
1991					Noble	650	C
1992	Clermont	Zimmer 2	810	N	Knox	650	C
1993					Holmes	650	C
1994					Union	650	C
1995					Fayette	650	C
1996					Hardin	650	C
1997					Highland	650	C
1998					Morrow	650	C
1999					Madison	650	C
					Mercer	650	C
2000					Fairfield	650	C
					Crawford	650	C

Table 13. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1: CONVENTIONAL TECHNOLOGY, STRICT CONTROLS
STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Beaver Valley 1	85	N			
1980	Beaver	Mansfield 3	917	C			
1982	Beaver	Beaver Valley 2	856	N			
1983	Armstrong	Lower Armstrong 1	630	C			
1984	Indiana	Seward 7	800	C			
	Beaver	Beaver Valley 2	29	N			
	Armstrong	Lower Armstrong 2	630	C			
1985	Armstrong	Lower Armstrong 3	630	C			
1987					Greene	650	C
1988					Clarion	650	C
1989					Venango	650	C
1990					Clarion	650	C
1991					Venango	650	C
1992					Jefferson	650	C
1993					Clearfield	650	C
1994					Somerset	650	C
1995					Butler	650	C
1996					Elk	650	C
1997					Butler	650	C
1998					Clarion	650	C
1999					Venango	650	C
2000					Jefferson	650	C

Table 14. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1: CONVENTIONAL TECHNOLOGY, STRICT CONTROLS
STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1979	Pleasants	Pleasants 1	626	C			
1980	Pleasants	Pleasants 2	626	C			
	Mason	New Haven 1	1300	C			
1986					Wayne	650	C
1987					Jackson	650	C
1988					Wayne	650	C
1989					Jackson	650	C
1990					Pleasants	650	C
1991					Wetzel	650	C
1993					Tyler	650	C
1994					Wetzel	650	C
1995					Tyler	650	C
1996					Cabell	650	C
1997					Taylor	650	C
1998					Cabell	650	C
1999					Mingo	650	C
2000					Fayette	650	C

Figure 3. **SCENARIO IA:**
VERY STRICT AIR QUALITY CONTROLS, DISPERSED SITING
TOTAL PROPOSED COAL-FIRED GENERATING
CAPACITY ADDITIONS, 1976-85
PLUS SCENARIO UNIT ADDITIONS, 1986-2000

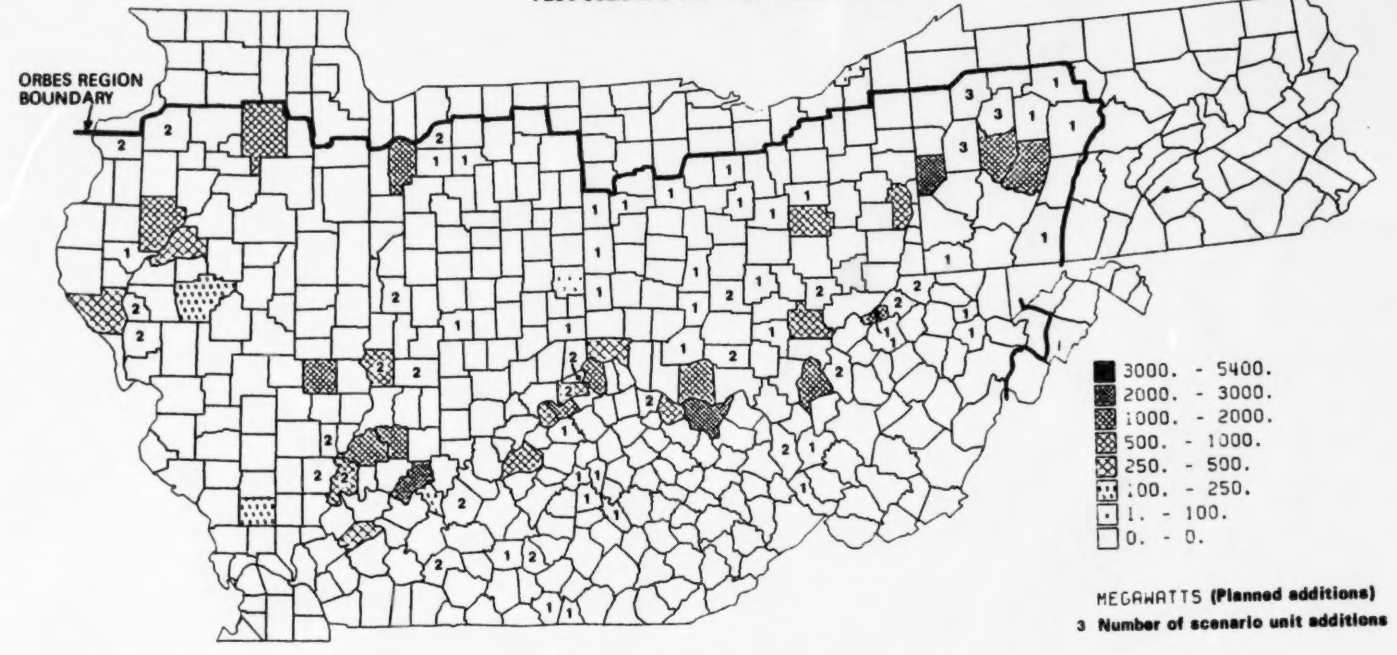

ORBES REGION BOUNDARY
■ 3000. - 5400.
▩ 2000. - 3000.
▩ 1000. - 2000.
▨ 500. - 1000.
▨ 250. - 500.
░ 100. - 250.
⊡ 1. - 100.
☐ 0. - 0.
MEGAWATTS (Planned additions)
3 Number of scenario unit additions

Table 15. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1a: VERY STRICT AIR QUALITY CONTROLS, DISPERSED SITING
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Mason	Havana 6	450	C			
	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	LaSalle	LaSalle 1	1078	N			
1980	LaSalle	LaSalle 2	1078	N			
1981	Jasper	Newton 2	600	C			
	DeWitt	Clinton 1	950	N			
1982	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 3	600	C			
	Pike	Pearl Station 2	400	C			
	DeWitt	Clinton 2	950	N			
1985	LaSalle	Unsited P3	550	C			
1986	Williamson	Marion 5	173	C	Greene	650	C
1987					Edwards	650	C
1988					Greene	650	C
1989	Fulton	Duck Creek 3	500	C			
1990	Fulton	Duck Creek 4	600	C			
1991					Edwards	650	C
1992					Mercer	650	C
1993					Scott	650	C
1994					Mercer	650	C
1995					Scott	650	C
1996					White	650	C
1997					Henry	650	C
1998					White	650	C
1999					Henry	650	C
2000					Schuyler	650	C

Table 16. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1a: VERY STRICT AIR QUALITY CONTROLS, DISPERSED SITING
STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1977	Pike	Petersburg 3	532	C			
1978	Gibson	Gibson 3	650	C			
1979	Jasper	Schaffer 15	556	C			
	Posey	Brown 1	265	C			
	Gibson	Gibson 4	650	C			
1980	Sullivan	Merom 1	490	C			
1981	Sullivan	Merom 2	490	C			
	Spencer	Rockport 1	1300	C			
1982	Pike	Petersburg 4	532	C			
	Spencer	Rockport 2	1300	C			
	Jefferson	Marble Hill 1	1130	N			
1983	Posey	Brown 2	265	C			
1984	Jefferson	Marble Hill 2	1130	N			
1985	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1986					Switzerland	650	C
1987	Posey	Brown 3	500	C	Sullivan	650	C
1988					Switzerland	650	C
1989					Sullivan	650	C
1990					Parke	650	C
1991					Posey	650	C
1992					Parke	650	C
1993	Posey	Brown 4	500	C	Posey	650	C
1994					Morgan	650	C
					Ohio	650	C
1995					Starke	650	C
1996					Ohio	650	C
					Starke	650	C
1997					Pulaski	650	C
1998					Franklin	650	C
					Greene	650	C
1999					Fulton	650	C
2000					Greene	650	C

Table 17. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1a: VERY STRICT AIR QUALITY CONTROLS, DISPERSED SITING
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1977	Carroll	Ghent 2	550	C			
	Mason	Spurlock 1	300	C			
1978	Jefferson	Mill Creek 3	425	C			
1979	Webster	Green 1	240	C			
1980	Boone	East Bend 1	600	C			
	Jefferson	Mill Creek 4	495	C			
	Webster	Green 2	240	C			
1981	Carroll	Ghent 3	550	C			
	Mason	Spurlock 2	500	C			
1983	Trimble	Trimble 1	495	C			
	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1984	Lewis	Lewis 2	1300	C			
	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1985	Trimble	Trimble 2	495	C			
1986					Bracken	650	C
1987	Boone	East Bend 3	800	C			
1988	Trimble	Trimble 3	675	C	Bracken	650	C
1989					Anderson	650	C
1990					Garrard	650	C
1991	Trimble	Trimble 4	675	C	Mercer	650	C
1992					Henry	650	C
1993					Breckenridge	650	C
1994					Hart	650	C
1995					Breckenridge	650	C
					Green	650	C
1996					Clinton	650	C
1997					Green	650	C
					Woodford	650	C
1998					Cumberland	650	C
1999					Butler	650	C
2000					Butler	650	C

Table 18. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1a: VERY STRICT AIR QUALITY CONTROLS, DISPERSED SITING
STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
	Coshocton	Conesville 6	403	C			
1979	Clermont	Zimmer 1	810	N			
1982	Adams	Killen 2	600	C			
1983	Athens	Poston 5	403	C			
1985	Adams	Killen 1	600	C			
	Athens	Poston 6	403	C			
1986					Morgan	650	C
					Pike	650	C
1987					Morgan	650	C
1988					Pike	650	C
1989					Knox	650	C
					Vinton	650	C
1990					Holmes	650	C
					Preble	650	C
1991					Hardin	650	C
1992	Clermont	Zimmer 2	810	N	Fayette	650	C
1993					Highland	650	C
1994					Morrow	650	C
1995					Madison	650	C
1996					Mercer	650	C
1997					Pickaway	650	C
1998					Fairfield	650	C
1999					Pickaway	650	C
					Crawford	650	C
2000					Greene	650	C
					Darke	650	C

Table 19. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1a: VERY STRICT AIR QUALITY CONTROLS, DISPERSED SITING
STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Beaver Valley 1	85	N			
1980	Beaver	Mansfield 3	917	C			
1982	Beaver	Beaver Valley 2	856	N			
1983	Armstrong	Lower Armstrong 1	630	C			
1984	Indiana	Seward 7	800	C			
	Beaver	Beaver Valley 2	29	N			
	Armstrong	Lower Armstrong 2	630	C			
1985	Armstrong	Lower Armstrong 3	630	C			
1987					Greene	650	C
1988					Clarion	650	C
1989					Greene	650	C
1990					Clarion	650	C
1991					Venango	650	C
1992					Jefferson	650	C
1993					Venango	650	C
1994					Clearfield	650	C
1995					Elk	650	C
1996					Somerset	650	C
1997					Butler	650	C
1998					Greene	650	C
1999					Butler	650	C
2000					Clarion	650	C

Table 20. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1a: VERY STRICT AIR QUALITY CONTROLS, DISPERSED SITING
STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1979	Pleasants	Pleasants 1	626	C			
1980	Pleasants	Pleasants 2	626	C			
	Mason	New Haven 1	1300	C			
1986					Pleasants	650	C
1987					Jackson	650	C
1988					Wayne	650	C
1989					Jackson	650	C
1990					Wayne	650	C
1991					Wetzel	650	C
1993					Tyler	650	C
1994					Wetzel	650	C
1995					Tyler	650	C
1996					Taylor	650	C
1997					Barbour	650	C
1998					Ricthie	650	C
1999					Mingo	650	C
2000					Lincoln	650	C

Figure 4. SCENARIO IB:
VERY STRICT AIR QUALITY CONTROLS, CONCENTRATED CITING
TOTAL PROPOSED COAL-FIRED GENERATING
CAPACITY ADDITIONS, 1976-85
PLUS SCENARIO UNIT ADDITIONS, 1986-2000

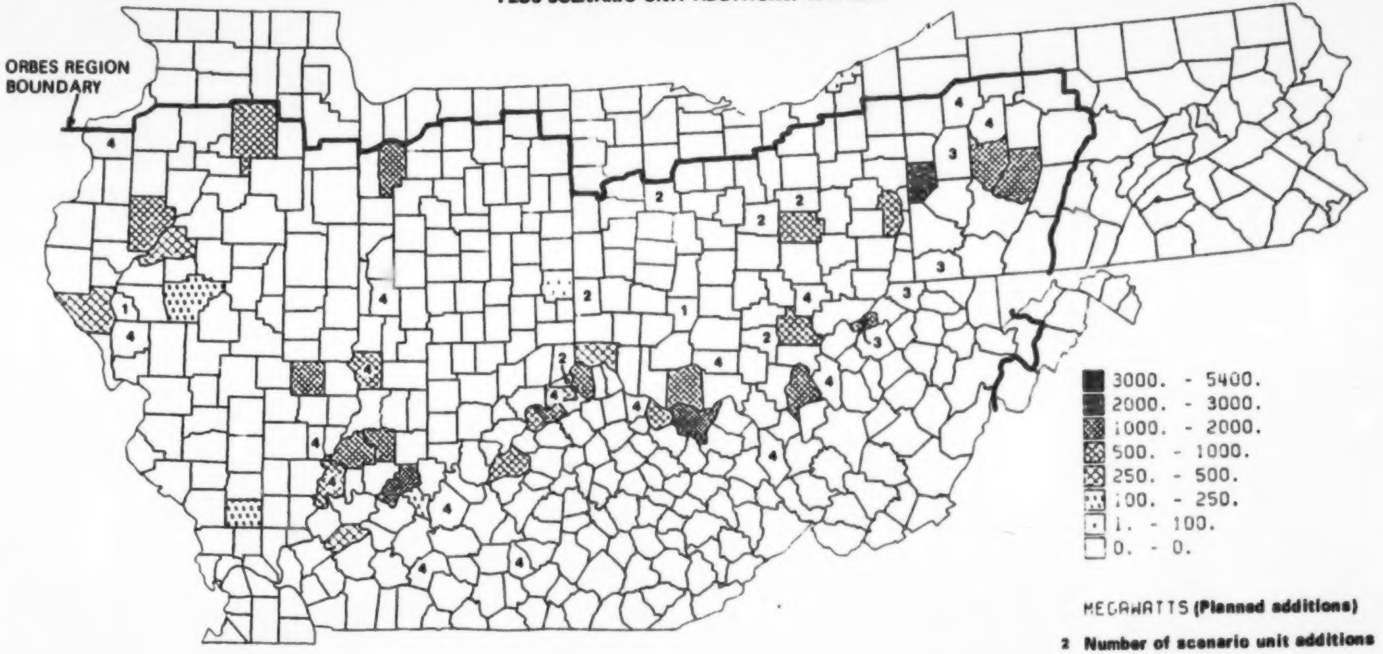

ORBES REGION BOUNDARY
3000. - 5400.
2000. - 3000.
1000. - 2000.
500. - 1000.
250. - 500.
100. - 250.
1. - 100.
0. - 0.
MEGAWATTS (Planned additions)
2 Number of scenario unit additions

Table 21. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1b: VERY STRICT AIR QUALITY CONTROLS, CONCENTRATED SITING
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Mason	Havana 6	450	C			
	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	LaSalle	LaSalle 1	1078	N			
1980	LaSalle	LaSalle 2	1078	N			
1981	Jasper	Newton 2	600	C			
	DeWitt	Clinton 1	950	N			
1982	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 3	600	C			
	Pike	Pearl Station 2	400	C			
	DeWitt	Clinton 2	950	N			
1985	LaSalle	Unsited P3	550	C			
1986	Williamson	Marion 5	173	C	Greene	650	C
1987					Edwards	650	C
1988					Greene	650	C
1989	Fulton	Duck Creek 3	500	C			
1990	Fulton	Duck Creek 4	600	C			
1991					Edwards	650	C
1992					Mercer	650	C
1993					Scott	650	C
1994					Mercer	650	C
1995					Greene	650	C
1996					Mercer	650	C
1997					Greene	650	C
1998					Mercer	650	C
1999					Edwards	650	C
2000					Edwards	650	C

Table 22. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1b: VERY STRICT AIR QUALITY CONTROLS, CONCENTRATED SITING
STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1977	Pike	Petersburg 3	532	C			
1978	Gibson	Gibson 3	650	C			
1979	Jasper	Schaffer 15	556	C			
	Posey	Brown 1	265	C			
	Gibson	Gibson 4	650	C			
1980	Sullivan	Merom 1	490	C			
1981	Sullivan	Merom 2	490	C			
	Spencer	Rockport 1	1300	C			
1982	Pike	Petersburg 4	532	C			
	Spencer	Rockport 2	1300	C			
	Jefferson	Marble Hill 1	1130	N			
1983	Posey	Brown 2	265	C			
1984	Jefferson	Marble Hill 2	1130	N			
1985	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1986					Switzerland	650	C
1987	Posey	Brown 3	500	C	Sullivan	650	C
1988					Switzerland	650	C
1989					Sullivan	650	C
1990					Parke	650	C
1991					Posey	650	C
1992					Parke	650	C
1993	Posey	Brown 4	500	C	Posey	650	C
1994					Switzerland	650	C
					Sullivan	650	C
1995					Switzerland	650	C
1996					Sullivan	650	C
					Parke	650	C
1997					Posey	650	C
1998					Parke	650	C
					Posey	650	C
1999					Ohio	650	C
2000					Ohio	650	C

Table 23. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1b: VERY STRICT AIR QUALITY CONTROLS, CONCENTRATED SITING
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel[1]	County	MWe	Fuel[1]
1977	Carroll	Ghent 2	550	C			
	Mason	Spurlock 1	300	C			
1978	Jefferson	Mill Creek 3	425	C			
1979	Webster	Green 1	240	C			
1980	Boone	East Bend 1	600	C			
	Jefferson	Mill Creek 4	495	C			
	Webster	Green 2	240	C			
1981	Carroll	Ghent 3	550	C			
	Mason	Spurlock 2	500	C			
1983	Trimble	Trimble 1	495	C			
	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1984	Lewis	Lewis 2	1300	C			
	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1985	Trimble	Trimble 2	495	C	Bracken	650	C
1986							
1987	Boone	East Bend 3	800	C	Breckenridge	650	C
1988	Trimble	Trimble 3	675	C	Bracken	650	C
1989					Breckenridge	650	C
1990					Green	650	C
1991	Trimble	Trimble 4	675	C	Butler	650	C
1992					Green	650	C
1993					Butler	650	C
1994					Bracken	650	C
1995					Breckenridge	650	C
					Bracken	650	C
1996					Breckenridge	650	C
1997					Green	650	C
					Butler	650	C
1998					Green	650	C
1999					Butler	650	C
2000							

Table 24. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1b: VERY STRICT AIR QUALITY CONTROLS, CONCENTRATED SITING
STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
	Coshocton	Conesville 6	403	C			
1979	Clermont	Zimmer 1	810	N			
1982	Adams	Killen 2	600	C			
1983	Athens	Poston 5	403	C			
1985	Adams	Killen 1	600	C			
	Athens	Poston 6	403	C			
1986					Morgan	650	C
					Pike	650	C
1987					Morgan	650	C
1988					Pike	650	C
1989					Knox	650	C
					Vinton	650	C
1990					Knox	650	C
					Vinton	650	C
1991					Holmes	650	C
1992	Clermont	Zimmer 2	810	N	Preble	650	C
1993					Holmes	650	C
1994					Preble	650	C
1995					Hardin	650	C
1996					Fayette	650	C
1997					Hardin	650	C
1998					Fayette	650	C
1999					Morgan	650	C
					Pike	650	C
2000					Morgan	650	C
					Pike	650	C

Table 25. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1b: VERY STRICT AIR QUALITY CONTROLS, CONCENTRATED SITING
STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Beaver Valley 1	85	N			
1980	Beaver	Mansfield 3	917	C			
1982	Beaver	Beaver Valley 2	856	N			
1983	Armstrong	Lower Armstrong 1	630	C			
1984	Indiana	Seward 7	800	C			
	Beaver	Beaver Valley 2	29	N			
	Armstrong	Lower Armstrong 2	630	C			
1985	Armstrong	Lower Armstrong 3	630	C	Greene	650	C
1987					Clarion	650	C
1988					Greene	650	C
1989					Clarion	650	C
1990					Venango	650	C
1991					Jefferson	650	C
1992					Venango	650	C
1993					Clarion	650	C
1994					Greene	650	C
1995					Clarion	650	C
1996					Greene	650	C
1997					Clarion	650	C
1998					Venango	650	C
1999					Venango	650	C
2000							

Table 26. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1b: VERY STRICT AIR QUALITY CONTROLS, CONCENTRATED SITING
STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1979	Pleasants	Pleasants 1	626	C			
1980	Pleasants	Pleasants 2	626	C			
	Mason	New Haven 1	1300	C			
1986					Pleasants	650	C
1987					Jackson	650	C
1988					Pleasants	650	C
1989					Jackson	650	C
1990					Wayne	650	C
1991					Wetzel	650	C
1993					Wayne	650	C
1994					Wetzel	650	C
1995					Pleasants	650	C
1996					Jackson	650	C
1997					Wayne	650	C
1998					Jackson	650	C
1999					Wayne	650	C
2000					Wetzel	650	C

Figure 5. SCENARIO IC:
AGRICULTURAL LANDS PROTECTION, DISPERSED SITING
TOTAL PROPOSED COAL-FIRED GENERATING
CAPACITY ADDITIONS, 1976-85
PLUS SCENARIO UNIT ADDITIONS, 1986-2000

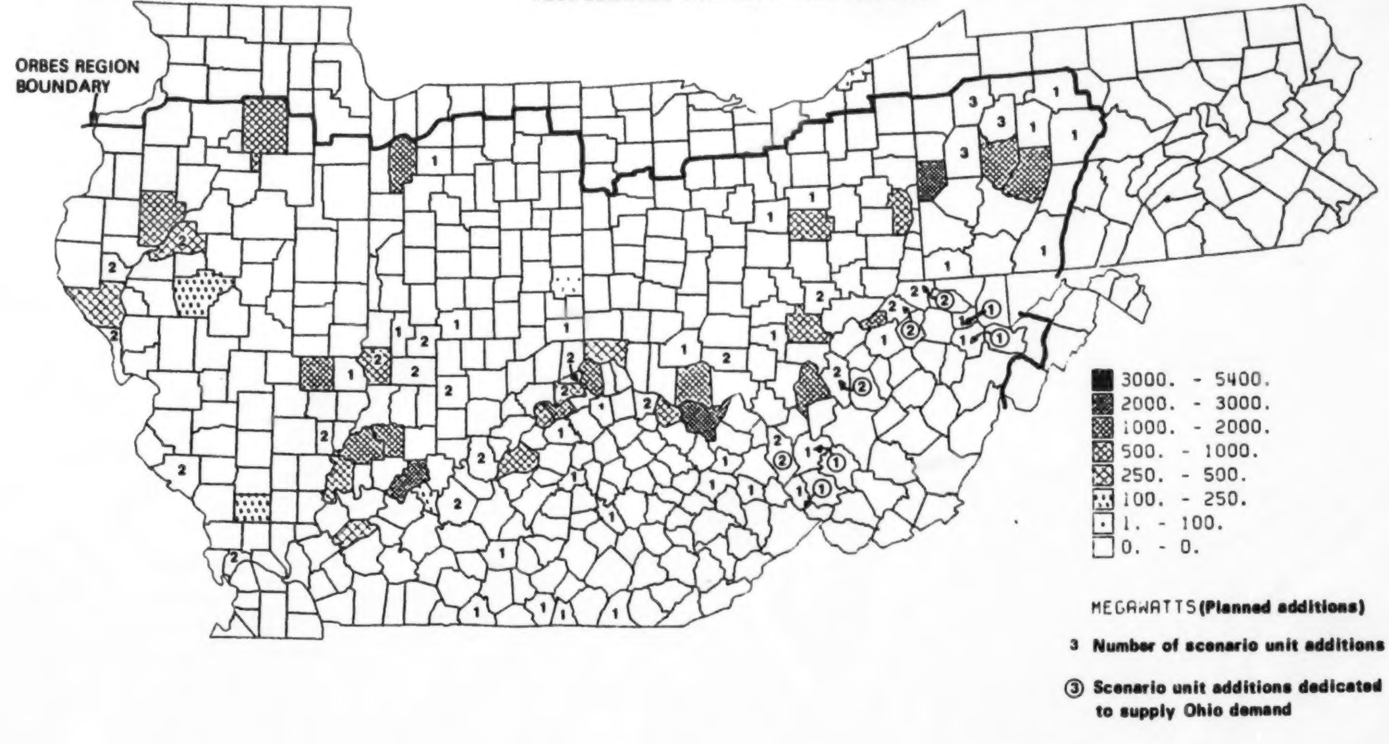

ORBES REGION BOUNDARY
3000. - 5400.
2000. - 3000.
1000. - 2000.
500. - 1000.
250. - 500.
100. - 250.
1. - 100.
0. - 0.
MEGAWATTS (Planned additions)
3 Number of scenario unit additions
③ Scenario unit additions dedicated to supply Ohio demand

Table 27. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1c: AGRICULTURAL LANDS PROTECTION, DISPERSED SITING
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Mason	Havana 6	450	C			
	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	LaSalle	LaSalle 1	1078	N			
1980	LaSalle	LaSalle 2	1078	N			
1981	Jasper	Newton 2	600	C			
	DeWitt	Clinton 1	950	N			
1982	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 3	600	C			
	Pike	Pearl Station 2	400	C			
	DeWitt	Clinton 2	950	N			
1985	LaSalle	Unsited P3	550	C			
1986	Williamson	Marion 5	173	C	Calhoun	650	C
1987					Pulaski	650	C
1988					Calhoun	650	C
1989	Fulton	Duck Creek 3	500	C			
1990	Fulton	Duck Creek 4	600	C			
1991					Pulaski	650	C
1992					Edwards	650	C
1993					Randolph	650	C
1994					Edwards	650	C
1995					Randolph	650	C
1996					Mason	650	C
1997					Brown	650	C
1998					Mason	650	C
1999					Brown	650	C
2000					Crawford	650	C

Table 28. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1c: AGRICULTURAL LANDS PROTECTION, DISPERSED SITING
STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1977	Pike	Petersburg 3	532	C			
1978	Gibson	Gibson 3	650	C			
1979	Jasper	Schaffer 15	556	C			
	Posey	Brown 1	265	C			
	Gibson	Gibson 4	650	C			
1980	Sullivan	Merom 1	490	C			
1981	Sullivan	Merom 2	490	C			
	Spencer	Rockport 1	1300	C			
1982	Pike	Petersburg 4	532	C			
	Spencer	Rockport 2	1300	C			
	Jefferson	Marble Hill 1	1130	N			
1983	Posey	Brown 2	265	C			
1984	Jefferson	Marble Hill 2	1130	N			
1985	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1986					Switzerland	650	C
1987	Posey	Brown 3	500	C	Sullivan	650	C
1988					Switzerland	650	C
1989					Sullivan	650	C
1990					Morgan	650	C
1991					Harrison	650	C
1992					Ohio	650	C
1993	Posey	Brown 4	500	C	Harrison	650	C
1994					Ohio	650	C
					Lawrence	650	C
1995					Owen	650	C
1996					Lawrence	650	C
					Owen	650	C
1997					Pulaski	650	C
1998					Franklin	650	C
					Greene	650	C
1999					Clay	650	C
2000					Greene	650	C

Table 29. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1c: AGRICULTURAL LANDS PROTECTION, DISPERSED SITING
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1977	Carroll	Ghent 2	550	C			
	Mason	Spurlock 1	300	C			
1978	Jefferson	Mill Creek 3	425	C			
1979	Webster	Green 1	240	C			
1980	Boone	East Bend 1	600	C			
	Jefferson	Mill Creek 4	495	C			
	Webster	Green 2	240	C			
1981	Carroll	Ghent 3	550	C			
	Mason	Spurlock 2	500	C			
1983	Trimble	Trimble 1	495	C			
	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1984	Lewis	Lewis 2	1300	C			
	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1985	Trimble	Trimble 2	495	C			
1986					Bracken	650	C
1987	Boone	East Bend 3	800	C			
1988	Trimble	Trimble 3	675	C	Bracken	650	C
1989					Anderson	650	C
1990					Breckenridge	650	C
1991	Trimble	Trimble 4	675	C	McCreary	650	C
1992					Breckenridge	650	C
1993					Garrard	650	C
1994					Hart	650	C
1995					Allen	650	C
					Grant	650	C
1996					Elliot	650	C
1997					Johnson	650	C
					Morgan	650	C
1998					Clinton	650	C
1999					Cumberland	650	C
2000					Henry	650	C

Table 30. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1c: AGRICULTURAL LANDS PROTECTION, DISPERSED SITING
STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
	Coshocton	Conesville 6	403	C			
1979	Clermont	Zimmer 1	810	N			
1982	Adams	Killen 2	600	C			
1983	Athens	Poston 5	403	C			
1985	Adams	Killen 1	600	C			
	Athens	Poston 6	403	C			
1986					Morgan	650	C
					Pike	650	C
1987					Morgan	650	C
1988					Pike	650	C
1989					Vinton	650	C
					Holmes	650	C
1990					Highland	650	C
					Knox	650	C
1991							
1992	Clermont	Zimmer 2	810	N			
1993							
1994							
1995							
1996							
1997							
1998							
1999							
2000							

NOTE: The additional 12 scenario units required from 1991 to 2000 are sited in West Virginia

Table 31. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1c: AGRICULTURAL LANDS PROTECTION, DISPERSED SITING
STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Beaver Valley 1	85	N			
1980	Beaver	Mansfield 3	917	C			
1982	Beaver	Beaver Valley 2	856	N			
1983	Armstrong	Lower Armstrong 1	630	C			
1984	Indiana	Seward 7	800	C			
	Beaver	Beaver Valley 2	29	N			
	Armstrong	Lower Armstrong 2	630	C			
1985	Armstrong	Lower Armstrong 3	630	C			
1987					Greene	650	C
1988					Venango	650	C
1989					Clarion	650	C
1990					Venango	650	C
1991					Clarion	650	C
1992					Venango	650	C
1993					Clarion	650	C
1994					Clearfield	650	C
1995					Elk	650	C
1996					Jefferson	650	C
1997					Butler	650	C
1998					Somerset	650	C
1999					Butler	650	C
2000					Butler	650	C

Table 32. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1c: AGRICULTURAL LANDS PROTECTION, DISPERSED SITING
STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1979	Pleasants	Pleasants 1	626	C			
1980	Pleasants	Pleasants 2	626	C			
	Mason	New Haven 1	1300	C			
1986					Pleasants	650	C
1987					Wayne	650	C
1988					Jackson	650	C
1989					*Wayne	650	C
1990					*Jackson	650	C
1991					Wayne	650	C
					Tyler	650	C
1992					Jackson	650	C
					*Wayne	650	C
1993					Wetzel	650	C
					*Tyler	650	C
1994					*Jackson	650	C
					*Wetzel	650	C
1995					Tyler	650	C
					Taylor	650	C
1996					Wetzel	650	C
					Barbour	650	C
1997					*Tyler	650	C
					Mingo	650	C
1998					*Wetzel	650	C
					*Mingo	650	C
1999					Lincoln	650	C
					*Taylor	650	C
2000					Nicholas	650	C
					*Barbour	650	C
					*Lincoln	650	C

*Units dedicated to meet Ohio demand

Figure 6. SCENARIO 1D:
AGRICULTURAL LAND PROTECTION, CONCENTRATED SITING
TOTAL PROPOSED COAL-FIRED GENERATING
CAPACITY ADDITIONS, 1976-85
PLUS SCENARIO UNIT ADDITIONS, 1986-2000

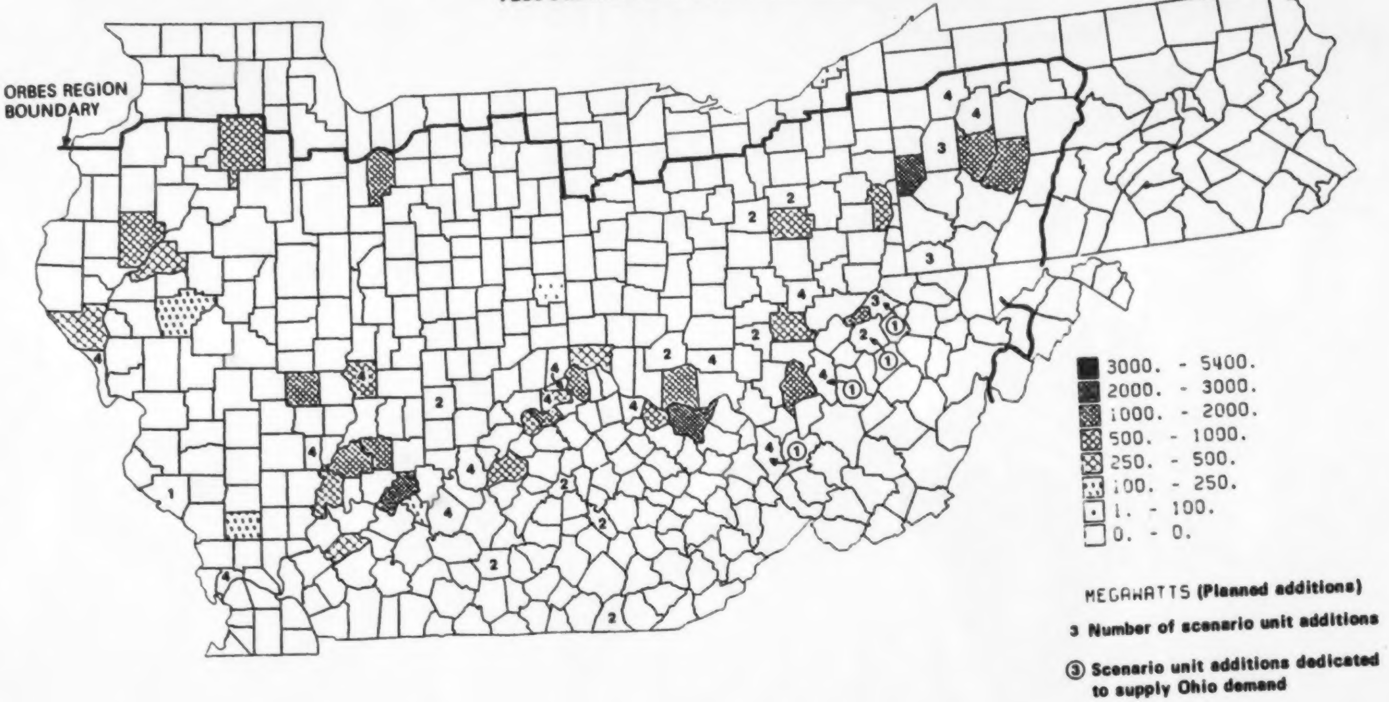

ORBES REGION BOUNDARY
3000. - 5400.
2000. - 3000.
1000. - 2000.
500. - 1000.
250. - 500.
100. - 250.
1. - 100.
0. - 0.
MEGAWATTS (Planned additions)
3 Number of scenario unit additions
③ Scenario unit additions dedicated to supply Ohio demand

Table 33. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000 SCENARIO 1d: CONVENTIONAL TECHNOLOGY, AGRICULTURAL LANDS PROCTECTION, CONCENTRATED SITING STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Mason	Havana 6	450	C			
	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	LaSalle	LaSalle 1	1078	N			
1980	LaSalle	LaSalle 2	1078	N			
1981	Jasper	Newton 2	600	C			
	DeWitt	Clinton 1	950	N			
1982	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 3	600	C			
	Pike	Pearl Station 2	400	C			
	DeWitt	Clinton 2	950	N			
1985	LaSalle	Unsited P3	550	C			
1986	Williamson	Marion 5	173	C	Calhoun	650	C
1987					Pulaski	650	C
1988					Edwards	650	C
1989	Fulton	Duck Creek 3	500	C			
1990	Fulton	Duck Creek 4	600	C			
1991					Randolph	650	C
1992					Calhoun	650	C
1993					Pulaski	650	C
1994					Edwards	650	C
1995					Calhoun	650	C
1996					Pulaski	650	C
1997					Edwards	650	C
1998					Calhoun	650	C
1999					Pulaski	650	C
2000					Edwards	650	C

Table 34. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1d: CONVENTIONAL TECHNOLOGY, AGRICULTURAL LANDS PROTECTION, CONCENTRATED SITING
STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1977	Pike	Petersburg 3	532	C			
1978	Gibson	Gibson 3	650	C			
1979	Jasper	Schaffer 15	556	C			
	Posey	Brown 1	265	C			
	Gibson	Gibson 4	650	C			
1980	Sullivan	Merom 1	490	C			
1981	Sullivan	Merom 2	490	C			
	Spencer	Rockport 1	1300	C			
1982	Pike	Petersburg 4	532	C			
	Spencer	Rockport 2	1300	C			
	Jefferson	Marble Hill 1	1130	N			
1983	Posey	Brown 2	265	C			
1984	Jefferson	Marble Hill 2	1130	N			
1985	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1986					Switzerland	650	C
1987	Posey	Brown 3	500	C	Sullivan	650	C
1988					Harrison	650	C
1989					Ohio	650	C
1990					Lawrence	650	C
1991					Switzerland	650	C
1992					Sullivan	650	C
1993	Posey	Brown 4	500	C	Harrison	650	C
1994					Ohio	650	C
					Lawrence	650	C
1995					Switzerland	650	C
1996					Sullivan	650	C
					Harrison	650	C
1997					Ohio	650	C
1998					Switzerland	650	C
					Sullivan	650	C
1999					Harrison	650	C
2000					Ohio	650	C

Table 35. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1d: CONVENTIONAL TECHNOLOGY, AGRICULTURAL LANDS PROTECTION, CONCENTRATED SITING
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1977	Carroll	Ghent 2	550	C			
	Mason	Spurlock 1	300	C			
1978	Jefferson	Mill Creek 3	425	C			
1979	Webster	Green 1	240	C			
1980	Boone	East Bend 1	600	C			
	Jefferson	Mill Creek 4	495	C			
	Webster	Green 2	240	C			
1981	Carroll	Ghent 3	550	C			
	Mason	Spurlock 2	500	C			
1983	Trimble	Trimble 1	495	C			
	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1984	Lewis	Lewis 2	1300	C			
	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1985	Trimble	Trimble 2	495	C			
1986					Bracken	650	C
1987	Boone	East Bend 3	800	C			
1988	Trimble	Trimble 3	675	C	Anderson	650	C
1989					Breckenridge	650	C
1990					McCreary	650	C
1991	Trimble	Trimble 4	675	C	Garrard	650	C
1992					Hart	650	C
1993					Bracken	650	C
1994					Anderson	650	C
1995					Breckenridge	650	C
					McCreary	650	C
1996					Garrard	650	C
1997					Hart	650	C
					Bracken	650	C
1998					Breckenridge	650	C
1999					Bracken	650	C
2000					Breckenridge	650	C

Table 36. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000 SCENARIO 1d: CONVENTIONAL TECHNOLOGY, AGRICULTURAL LANDS PROCTECTION, CONCENTRATED SITING STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions*		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
	Coshocton	Conesville 6	403	C			
1979	Clermont	Zimmer 1	810	N			
1982	Adams	Killen 2	600	C			
1983	Athens	Poston 5	403	C			
1985	Adams	Killen 1	600	C			
	Athens	Poston 6	403	C			
1986					Morgan	650	C
					Pike	650	C
1987					Vinton	650	C
1988					Holmes	650	C
1989					Highland	650	C
					Knox	650	C
1990					Morgan	650	C
					Pike	650	C
1991					Vinton	650	C
1992	Clermont	Zimmer 2	810	N			
1993					Holmes	650	C
1994					Highland	650	C
1995					Knox	650	C
1996					Morgan	650	C
1997					Pike	650	C
1998					Morgan	650	C
1999					Pike	650	C
2000							

*The additional four (4) scenario units required from 1990 to 2000 are sited in West Virginia.

Table 37. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1d: CONVENTIONAL TECHNOLOGY, AGRICULTURAL LANDS PROTECTION, CONCENTRATED SITING
STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Beaver Valley 1	85	N			
1980	Beaver	Mansfield 3	917	C			
1982	Beaver	Beaver Valley 2	856	N			
1983	Armstrong	Lower Armstrong 1	630	C			
1984	Indiana	Seward 7	800	C			
	Beaver	Beaver Valley 2	29	N			
	Armstrong	Lower Armstrong 2	630	C			
1985	Armstrong	Lower Armstrong 3	630	C			
1987					Greene	650	C
1988					Venango	650	C
1989					Clarion	650	C
1990					Butler	650	C
1991					Greene	650	C
1992					Venango	650	C
1993					Clarion	650	C
1994					Butler	650	C
1995					Greene	650	C
1996					Venango	650	C
1997					Clarion	650	C
1998					Butler	650	C
1999					Venango	650	C
2000					Clarion	650	C

Table 38. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 1d: CONVENTIONAL TECHNOLOGY, AGRICULTURAL LANDS PROTECTION, CONCENTRATED SITING
STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1979	Pleasants	Pleasants 1	626	C			
1980	Pleasants	Pleasants 2	626	C			
	Mason	New Haven 1	1300	C			
1986					Pleasants	650	C
1987					Wayne	650	C
1988					Jackson	650	C
1989					Tyler	650	C
1990					*Pleasants	650	C
1991					Wayne	650	C
					Jackson	650	C
1992					Tyler	650	C
					Pleasants	650	C
1993					*Wayne	650	C
1994					Jackson	650	C
1995					*Tyler	650	C
1996					Pleasants	650	C
1997					Wayne	650	C
1998					*Jackson	650	C
1999					Tyler	650	C
					Wayne	650	C
2000					Jackson	650	C

*Units dedicated to meet Ohio demand

Figure 7. SCENARIO 2: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS
TOTAL PROPOSED COAL-FIRED GENERATING CAPACITY ADDITIONS, 1976-85
PLUS SCENARIO UNIT ADDITIONS, 1986-2000

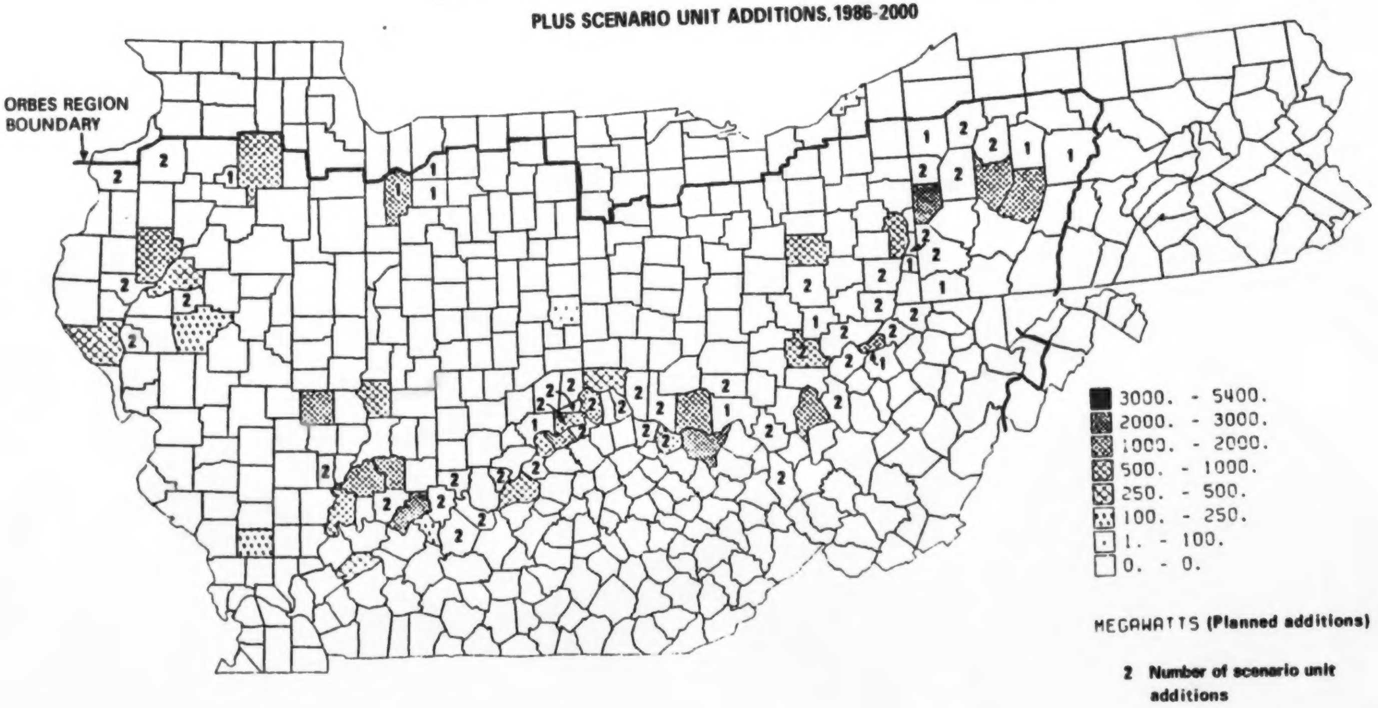

ORBES REGION BOUNDARY
■ 3000. - 5400.
▩ 2000. - 3000.
▩ 1000. - 2000.
▨ 500. - 1000.
▨ 250. - 500.
▒ 100. - 250.
⊡ 1. - 100.
☐ 0. - 0.
MEGAWATTS (Planned additions)
2 Number of scenario unit additions

Table 39. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Mason	Havana 6	450	C			
	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	LaSalle	LaSalle 1	1078	N			
1980	LaSalle	LaSalle 2	1078	N			
1981	Jasper	Newton 2	600	C			
	DeWitt	Clinton 1	950	N			
1982	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 3	600	C			
	Pike	Pearl Station 2	400	C			
	DeWitt	Clinton 2	950	N			
1985	LaSalle	Unsited P3	550	C			
1986	Williamson	Marion 5	173	C	Mercer	650	C
1987					Edwards	650	C
1988					Mercer	650	C
1989	Fulton	Duck Creek 3	500	C			
1990	Fulton	Duck Creek 4	600	C			
1991					Edwards	650	C
1992					Scott	650	C
1993					Henry	650	C
1994					Scott	650	C
1995					Henry	650	C
1996					Menard	650	C
1997					Schuyler	650	C
1998					Menard	650	C
1999					Schuyler	650	C
2000					Putnam	650	C

Table 40. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS
STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1977	Pike	Petersburg 3	532	C			
1978	Gibson	Gibson 3	650	C			
1979	Jasper	Schaffer 15	556	C			
	Posey	Brown 1	265	C			
	Gibson	Gibson 4	650	C			
1980	Sullivan	Merom 1	490	C			
1981	Spencer	Rockport 1	1300	C			
	Sullivan	Merom 2	490	C			
1982	Pike	Petersburg 4	532	C			
	Spencer	Rockport 2	1300	C			
	Jefferson	Marble Hill 1	1130	N			
1983	Posey	Brown 2	265	C			
1984	Jefferson	Marble Hill 2	1130	N			
1985	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1986					Switzerland	650	C
1987	Posey	Brown 3	500	C	Ohio	650	C
					Switzerland	650	C
1989					Ohio	650	C
1990					Dearborn	650	C
1991					Jefferson	650	C
1992					Dearborn	650	C
1993	Posey	Brown 4	500	C	Starke	650	C
1994					Perry	650	C
					Pulaski	650	C
1995					Perry	650	C
1996					Warrick	650	C
					Jasper	650	C
1997					Warrick	650	C
1998					Crawford	650	C
					Floyd	650	C
1999					Crawford	650	C
2000					Floyd	650	C

Table 41. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1977	Carroll	Ghent 2	550	C			
	Mason	Spurlock 1	300	C			
1978	Jefferson	Mill Creek 3	425	C			
1979	Webster	Green 1	240	C			
1980	Boone	East Bend 1	600	C			
	Jefferson	Mill Creek 4	495	C			
	Webster	Green 2	240	C			
1981	Carroll	Ghent 3	550	C			
	Mason	Spurlock 2	500	C			
1983	Trimble	Trimble 1	495	C			
	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1984	Lewis	Lewis 2	1300	C			
	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1985	Trimble	Trimble 2	495	C			
1986					Bracken	650	C
1987	Boone	East Bend 3	800	C			
1988	Trimble	Trimble 3	675	C	Bracken	650	C
1989					Gallatin	650	C
1990					Oldham	650	C
1991	Trimble	Trimble 4	675	C	Gallatin	650	C
1992					Oldham	650	C
1993					Mason	650	C
1994					Boone	650	C
1995					Mason	650	C
					Boone	650	C
1996					Meade	650	C
1997					Breckenridge	650	C
					Meade	650	C
1998					Breckenridge	650	C
1999					Campbell	650	C
2000					Campbell	650	C

Table 42. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS
STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
	Coshocton	Conesville 6	403	C			
1979	Clermont	Zimmer 1	810	N			
1982	Adams	Killen 2	600	C			
1983	Athens	Poston 5	403	C			
1985	Adams	Killen 1	600	C			
	Athens	Poston 6	403	C			
1986					Brown	650	C
					Morgan	650	C
1987					Brown	650	C
1988					Clermont	650	C
1989					Washington	650	C
					Clermont	650	C
1990					Washington	650	C
					Lawrence	650	C
1991					Monroe	650	C
1992	Clermont	Zimmer 2	810	N	Lawrence	650	C
1993					Monroe	650	C
1994					Muskingum	650	C
1995					Athens	650	C
1996					Muskingum	650	C
1997					Athens	650	C
1998					Pike	650	C
1999					Belmont	650	C
					Pike	650	C
2000					Belmont	650	C
					Scioto	650	C

Table 43. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS
STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Beaver Valley 1	85	N			
1980	Beaver	Mansfield 3	917	C			
1982	Beaver	Beaver Valley 2	856	N			
1983	Armstrong	Lower Armstrong 1	630	C			
1984	Indiana	Seward 7	800	C			
	Beaver	Beaver Valley 2	29	N			
	Armstrong	Lower Armstrong 2	630	C			
1985	Armstrong	Lower Armstrong 3	630	C			
1987					Greene	650	C
1988					Washington	650	C
1989					Clarion	650	C
1990					Washington	650	C
1991					Clarion	650	C
1992					Venango	650	C
1993					Jefferson	650	C
1994					Venango	650	C
1995					Lawrence	650	C
1996					Mercer	650	C
1997					Lawrence	650	C
1998					Clearfield	650	C
1999					Butler	650	C
2000					Butler	650	C

Table 44. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS
STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1979	Pleasants	Pleasants 1	626	C			
1980	Pleasants	Pleasants 2	626	C			
	Mason	New Haven 1	1300	C			
1986					Wayne	650	C
1987					Jackson	650	C
1988					Wayne	650	C
1989					Jackson	650	C
1990					Pleasants	650	C
1991					Brooke	650	C
1993					Wetzel	650	C
1994					Brooke	650	C
1995					Wetzel	650	C
1996					Tyler	650	C
1997					Wood	650	C
1998					Tyler	650	C
1999					Wood	650	C
2000					Ohio	650	C

Figure 8. SCENARIO 2a:
CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, COAL-FIRED EXPORT
TOTAL PROPOSED COAL-FIRED GENERATING
CAPACITY ADDITIONS, 1976-85
PLUS SCENARIO UNIT ADDITIONS, 1986-2000

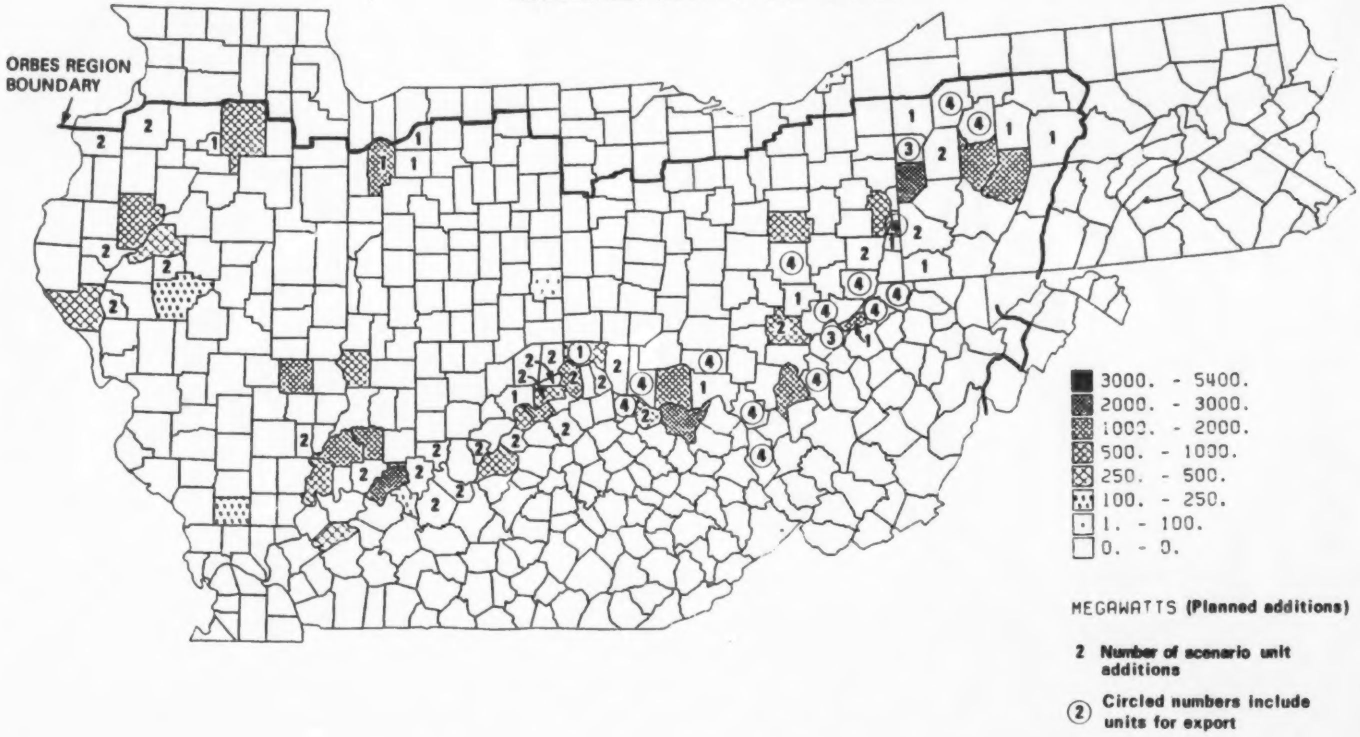

ORBES REGION BOUNDARY
3000. - 5400.
2000. - 3000.
1000. - 2000.
500. - 1000.
250. - 500.
100. - 250.
1. - 100.
0. - 0.
MEGAWATTS (Planned additions)
2 Number of scenario unit additions
② Circled numbers include units for export

Table 45. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2a: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, COAL-FIRED EXPORT
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Mason	Havana 6	450	C			
	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	LaSalle	LaSalle 1	1078	N			
1980	LaSalle	LaSalle 2	1078	N			
1981	Jasper	Newton 2	600	C			
	DeWitt	Clinton 1	950	N			
1982	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 3	600	C			
	Pike	Pearl Station 2	400	C			
	DeWitt	Clinton 2	950	N			
1985	LaSalle	Unsited P3	550	C			
1986	Williamson	Marion 5	173	C	Mercer	650	C
1987					Edwards	650	C
1988					Mercer	650	C
1989	Fulton	Duck Creek 3	500	C			
1990	Fulton	Duck Creek 4	600	C			
1991					Edwards	650	C
1992					Scott	650	C
1993					Henry	650	C
1994					Scott	650	C
1995					Henry	650	C
1996					Menard	650	C
1997					Schuyler	650	C
1998					Menard	650	C
1999					Schuyler	650	C
2000					Putnam	650	C

Table 46. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000 SCENARIO 2a: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, COAL-FIRED EXPORT

STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1977	Pike	Petersburg 3	532	C			
1978	Gibson	Gibson 3	650	C			
1979	Jasper	Schaffer 15	556	C			
	Posey	Brown 1	265	C			
	Gibson	Gibson 4	650	C			
1980	Sullivan	Merom 1	490	C			
1981	Spencer	Rockport 1	1300	C			
	Sullivan	Merom 2	490	C			
1982	Pike	Petersburg 4	532	C			
	Spencer	Rockport 2	1300	C			
	Jefferson	Marble Hill 1	1130	N			
1983	Posey	Brown 2	265	C			
1984	Jefferson	Marble Hill 2	1130	N			
1985	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1986					Switzerland	650	C
1987	Posey	Brown 3	500	C	Ohio	650	C
					Switzerland	650	C
1989					Ohio	650	C
1990					Dearborn	650	C
1991					Jefferson	650	C
1992					Dearborn	650	C
1993	Posey	Brown 4	500	C	Starke	650	C
1994					Perry	650	C
					Pulaski	650	C
1995					Perry	650	C
1996					Warrick	650	C
					Jasper	650	C
1997					Warrick	650	C
1998					Crawford	650	C
					Floyd	650	C
1999					Crawford	650	C
2000					Floyd	650	C

Table 47. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2a: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, COAL-FIRED EXPORT
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1977	Carroll	Ghent 2	550	C			
	Mason	Spurlock 1	300	C			
1978	Jefferson	Mill Creek 3	425	C			
1979	Webster	Green 1	240	C			
1980	Boone	East Bend 1	600	C			
	Jefferson	Mill Creek 4	495	C			
	Webster	Green 2	240	C			
1981	Carroll	Ghent 3	550	C			
	Mason	Spurlock 2	500	C			
1983	Trimble	Trimble 1	495	C			
	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1984	Lewis	Lewis 2	1300	C			
	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1985	Trimble	Trimble 2	495	C			
1986					Bracken	650	C
1987	Boone	East Bend 3	800	C			
1988	Trimble	Trimble 3	675	C	Bracken	650	C
1989					Gallatin	650	C
					Bracken	650	C
1990					Oldham	650	C
					Bracken	650	C
1991	Trimble	Trimble 4	675	C	Gallatin	650	C
1992					Oldham	650	C
1993					Mason	650	C
1994					Boone	650	C
1995					Mason	650	C
					Boone	650	C
1996					Meade	650	C
1997					Breckenridge	650	C
					Meade	650	C
1998					Breckenridge	650	C
1999					Campbell	650	C
2000					Campbell	650	C

Table 48. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2a: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, COAL-FIRED EXPORT
STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
	Coshocton	Conesville 6	403	C			
1979	Clermont	Zimmer 1	810	N			
1982	Adams	Killen 2	600	C			
1983	Athens	Poston 5	403	C			
1985	Adams	Killen 1	600	C			
	Athens	Poston 6	403	C			
1986					Brown	650	C
					Morgan	650	C
					Pike	650	C
1987					Brown	650	C
					Hamilton*	650	C
1988					Clermont	650	C
					Brown	650	C
1989					Washington	650	C
					Clermont	650	C
					Brown	650	C
1990					Washington	650	C
					Lawrence	650	C
1991					Monroe	650	C
					Pike	650	C
1992	Clermont	Zimmer 2	810	N	Lawrence	650	C
					Washington	650	C
1993					Monroe	650	C
					Muskingum	650	C
1994					Muskingum	650	C
					Washington	650	C
1995					Athens	650	C
					Lawrence	650	C
1996					Muskingum	650	C
					Monroe	650	C
1997					Athens	650	C
					Lawrence	650	C
					Muskingum	650	C
1998					Pike	650	C
					Monroe	650	C
1999					Belmont	650	C
					Pike	650	C
2000					Belmont	650	C
					Scioto	650	C

*Addition to planned site.

Table 49. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000 SCENARIO 2a: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, COAL-FIRED EXPORT

STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Beaver Valley 1	85	N			
1980	Beaver	Mansfield 3	917	C			
1982	Beaver	Beaver Valley 2	856	N			
1983	Armstrong	Lower Armstrong 1	630	C			
1984	Indiana	Seward 7	800	C			
	Beaver	Beaver Valley 2	29	N			
	Armstrong	Lower Armstrong 2	630	C			
1985	Armstrong	Lower Armstrong 3	630	C			
1987					Greene	650	C
1988					Washington	650	C
1989					Clarion	650	C
1990					Washington	650	C
1991					Clarion	650	C
1992					Venango	650	C
					Clarion	650	C
1993					Jefferson	650	C
					Clarion	650	C
1994					Venango	650	C
1995					Lawrence	650	C
					Venango	650	C
1996					Mercer	650	C
					Venango	650	C
1997					Lawrence	650	C
1998					Clearfield	650	C
					Lawrence	650	C
1999					Butler	650	C
2000					Butler	650	C

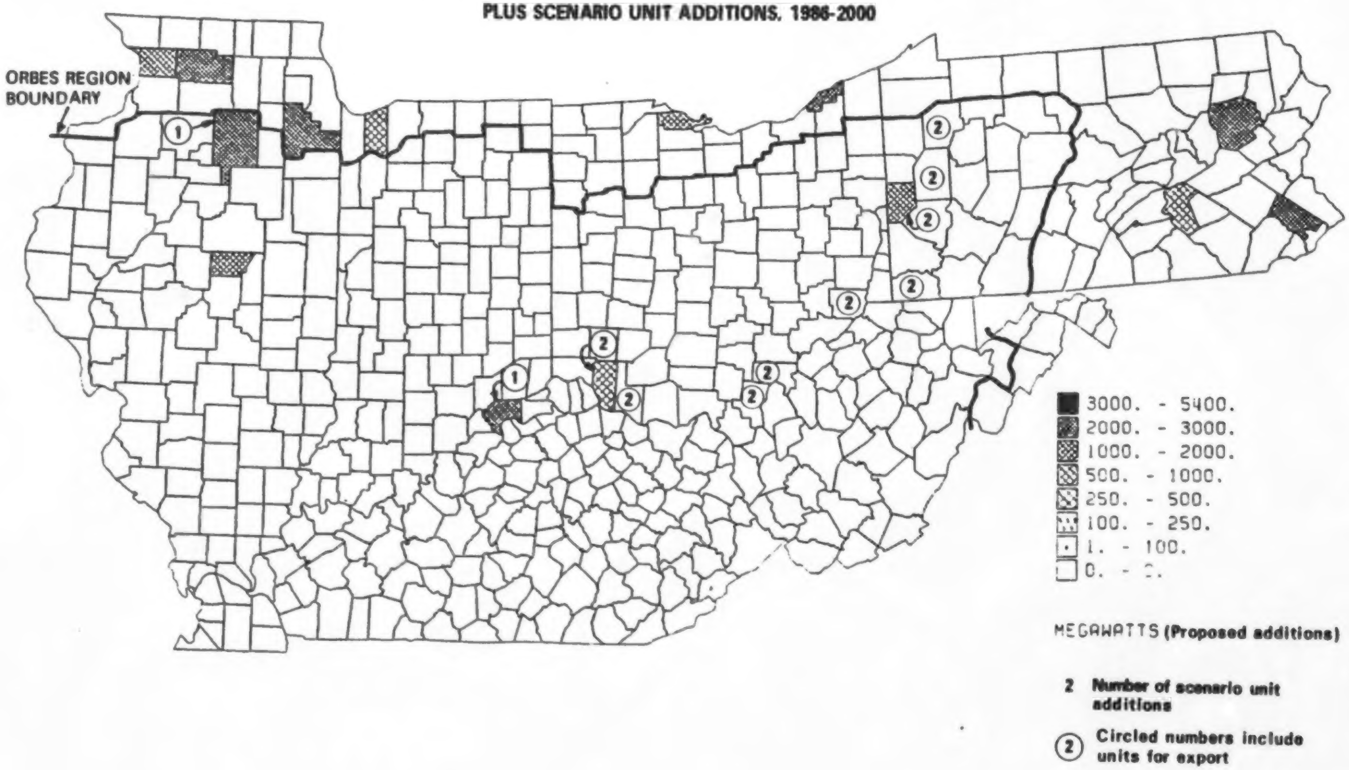
Table 50. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2a: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS
COAL-FIRED EXPORT
STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1979	Pleasants	Pleasants 1	626	C			
1980	Pleasants	Pleasants 2	626	C			
	Mason	New Haven 1	1300	C	Wayne	650	C
1986					Wood	650	C
					Jackson	650	C
1987					Wayne	650	C
1988					Jackson	650	C
1989					Wayne	650	C
					Pleasants	650	C
1990					Wayne	650	C
					Brooke	650	C
1991					Jackson	650	C
					Wetzel	650	C
1993					Jackson	650	C
					Brooke	650	C
1994					Wetzel	650	C
1995					Brooke	650	C
					Tyler	650	C
1996					Brooke	650	C
					Wood	650	C
1997					Wetzel	650	C
					Tyler	650	C
1998					Wetzel	650	C
					Wood	650	C
1999					Tyler	650	C
					Ohio	650	C
2000					Tyler	650	C

Figure 9. SCENARIO 2b:
CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, NUCLEAR-FUELED EXPORT

TOTAL PROPOSED NUCLEAR GENERATING
CAPACITY ADDITIONS, 1976-85

PLUS SCENARIO UNIT ADDITIONS, 1986-2000



ORBES REGION BOUNDARY
①
①
②
②
②
②
②
②
②
②
②
②
■ 3000. - 5400.
▩ 2000. - 3000.
▩ 1000. - 2000.
▨ 500. - 1000.
▨ 250. - 500.
▤ 100. - 250.
⊡ 1. - 100.
☐ 0. - 0.
MEGAWATTS (Proposed additions)
2 Number of scenario unit additions
② Circled numbers include units for export

Table 51. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2b: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS
NUCLEAR-FUELLED EXPORTS
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Mason	Havana 6	450	C			
	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	LaSalle	LaSalle 1	1078	N			
1980	LaSalle	LaSalle 2	1078	N			
1981	Jasper	Newton 2	600	C			
	DeWitt	Clinton 1	950	N			
1982	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 3	600	C			
	Pike	Pearl Station 2	400	C			
	DeWitt	Clinton 2	950	N			
1985	LaSalle	Unsited P3	550	C			
1986	Williamson	Marion 5	173	C	Mercer	650	C
1987					Edwards	650	C
1988					Mercer	650	C
1989	Fulton	Duck Creek 3	500	C	LaSalle*	1000	N
1990	Fulton	Duck Creek 4	600	C			
1991					Edwards	650	C
1992					Scott	650	C
1993					Henry	650	C
1994					Scott	650	C
1995					Henry	650	C
1996					Menard	650	C
1997					Schuyler	650	C
1998					Menard	650	C
1999					Schuyler	650	C
2000					Putnam	650	C

*Additions to planned site.

Table 52. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000 SCENARIO 2b: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, NUCLEAR-FUELLED EXPORTS

STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel 1	County	MWe	Fuel 1
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1977	Pike	Petersburg 3	532	C			
1978	Gibson	Gibson 3	650	C			
1979	Jasper	Schaffer 15	556	C			
	Posey	Brown 1	265	C			
	Gibson	Gibson 4	650	C			
1980	Sullivan	Merom 1	490	C			
1981	Spencer	Rockport 1	1300	C			
	Sullivan	Merom 2	490	C			
1982	Pike	Petersburg 4	532	C			
	Spencer	Rockport 2	1300	C			
	Jefferson	Marble Hill 1	1130	N			
1983	Posey	Brown 2	265	C			
1984	Jefferson	Marble Hill 2	1130	N			
1985	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1986					Switzerland	650	C
1987	Posey	Brown 3	500	C	Ohio	650	C
					Switzerland	650	C
1988					Jefferson*	1000	N
1989					Ohio	650	C
1990					Dearborn	650	C
1991					Jefferson	650	C
1992					Dearborn	650	C
1993	Posey	Brown 4	500	C	Starke	650	C
1994					Perry	650	C
					Pulaski	650	C
1995					Perry	650	C
1996					Warrick	650	C
					Jasper	650	C
1997					Warrick	650	C
1998					Crawford	650	C
					Floyd	650	C
1999					Crawford	650	C
2000					Floyd	650	C

Table 53. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2b: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, NUCLEAR-FUELLED EXPORTS
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1977	Carroll	Ghent 2	550	C			
	Mason	Spurlock 1	300	C			
1978	Jefferson	Mill Creek 3	425	C			
1979	Webster	Green 1	240	C			
1980	Boone	East Bend 1	600	C			
	Jefferson	Mill Creek 4	495	C			
	Webster	Green 2	240	C			
1981	Carroll	Ghent 3	550	C			
	Mason	Spurlock 2	500	C			
1983	Trimble	Trimble 1	495	C			
	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1984	Lewis	Lewis 2	1300	C			
	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1985	Trimble	Trimble 2	495	C			
1986					Bracken	650	C
1987	Boone	East Bend 3	800	C			
1988	Trimble	Trimble 3	675	C	Bracken	650	C
1989					Gallatin	650	C
1990					Oldham	650	C
1991	Trimble	Trimble 4	675	C	Gallatin	650	C
1992					Oldham	650	C
1993					Mason	650	C
1994					Boone	650	C
1995					Mason	650	C
					Boone	650	C
1996					Meade	650	C
1997					Breckenridge	650	C
					Meade	650	C
1998					Breckenridge	650	C
1999					Campbell	650	C
2000					Campbell	650	C

Table 54. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2b: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, NUCLEAR-FUELLED EXPORTS
STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
	Coshocton	Conesville 6	403	C			
1979	Clermont	Zimmer 1	810	N			
1982	Adams	Killen 2	600	C			
1983	Athens	Poston 5	403	C			
1985	Adams	Killen 1	600	C			
	Athens	Poston 6	403	C			
1986					Brown	650	C
					Morgan	650	C
					Brown	1000	N
1987					Brown	650	C
1988					Clermont	650	C
1989					Washington	650	C
					Clermont	650	C
					Brown	1000	N
1990					Washington	650	C
					Lawrence	650	C
					Meigs	1000	N
1991					Monroe	650	C
					Gallia	1000	N
1992	Clermont	Zimmer 2	810	N	Lawrence	650	C
1993					Monroe	650	C
					Meigs	1000	N
1994					Muskingum	650	C
					Clermont*	1000	N
1995					Athens	650	C
					Gallia	1000	N
1996					Muskingum	650	C
					Clermont*	1000	N
1997					Athens	650	C
					Monroe	1000	N
1998					Pike	650	C
					Monroe	1000	N
1999					Belmont	650	C
					Pike	650	C
2000					Belmont	650	C
					Scioto	650	C

*Addition to planned site.

Table 55. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2b: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, NUCLEAR-FUELLED EXPORTS
STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Beaver Valley 1	85	N			
1980	Beaver	Mansfield 3	917	C			
1982	Beaver	Beaver Valley 2	856	N			
1983	Armstrong	Lower Armstrong 1	630	C			
1984	Indiana	Seward 7	800	C			
	Beaver	Beaver Valley 2	29	N			
	Armstrong	Lower Armstrong 2	630	C			
1985	Armstrong	Lower Armstrong 3	630	C			
1986					Venango	1000	N
1987					Greene	650	C
					Greene	1000	N
1988					Washington	650	C
					Venango	1000	N
1989					Clarion	650	C
1990					Washington	650	C
					Beaver*	1000	N
1991					Clarion	650	C
1992					Venango	650	C
					Beaver*	1000	N
1993					Jefferson	650	C
1994					Venango	650	C
1995					Lawrence	650	C
					Greene	1000	N
1996					Mercer	650	C
1997					Lawrence	650	C
1998					Clearfield	650	C
					Butler	1000	N
1999					Butler	650	C
2000					Butler	650	C
					Butler	1000	N

*Addition to planned site.

Table 56. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2b: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS
NUCLEAR-FUELLED EXPORTS
STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1979	Pleasants	Pleasants 1	626	C			
1980	Pleasants	Pleasants 2	626	C			
	Mason	New Haven 1	1300	C			
1986					Wayne	650	C
1987					Jackson	650	C
1988					Wayne	650	C
1989					Jackson	650	C
1990					Pleasants	650	C
1991					Brooke	650	C
1993					Wetzel	650	C
1994					Brooke	650	C
1995					Wetzel	650	C
1996					Tyler	650	C
1997					Wood	650	C
1998					Tyler	650	C
1999					Wood	650	C
2000					Ohio	650	C

Figure 10. SCENARIO 2c:
CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, NUCLEAR EMPHASIS
TOTAL PROPOSED NUCLEAR GENERATING
CAPACITY ADDITIONS, 1976-85
PLUS SCENARIO UNIT ADDITIONS, 1986-2000

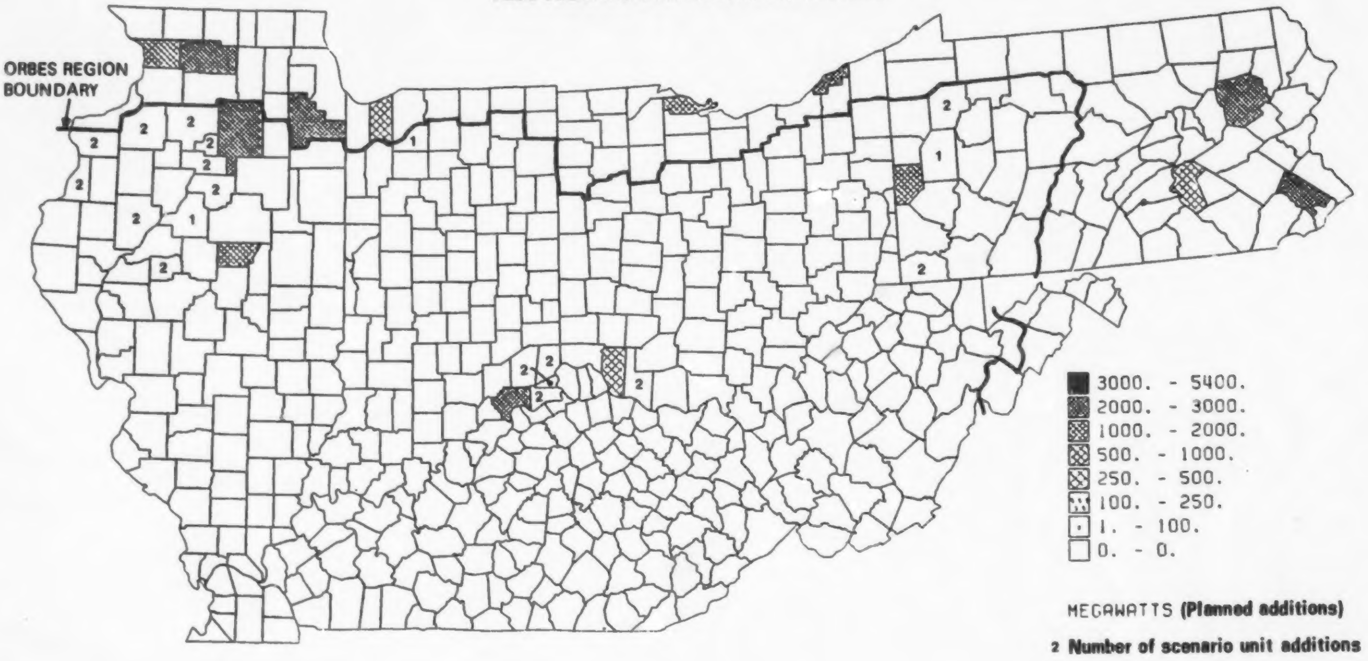

ORBES REGION BOUNDARY
3000. - 5400.
2000. - 3000.
1000. - 2000.
500. - 1000.
250. - 500.
100. - 250.
1. - 100.
0. - 0.
MEGAWATTS (Planned additions)
2 Number of scenario unit additions

Table 57. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2c: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, NUCLEAR EMPHASIS
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Mason	Havana 6	450	C			
	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	LaSalle	LaSalle 1	1078	N			
1980	LaSalle	LaSalle 2	1078	N			
1981	Jasper	Newton 2	600	C			
	DeWitt	Clinton 1	950	C			
1982	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 3	600	C			
	Pike	Pearl Station 2	400	C			
	DeWitt	Clinton 2	950	C			
1985	LaSalle	Unsited P3	550	C			
1986	Williamson	Marion 5	173	C	Mercer	1000	N
1987					Mercer	650	C
					Henderson	1000	N
1988					Mercer	1000	N
					Henderson	1000	N
1989	Fulton	Duck Creek 3	500	C	Henry	1000	N
1990	Fulton	Duck Creek 4	600	C	Woodford	1000	N
1991					Henry	1000	N
1992					Edwards	650	C
					Woodford	1000	N
					Fulton	1000	N
1993					Putnam	1000	N
1994					Fulton	1000	N
1995					Mercer	650	C
					Putnam	1000	N
1996					Marshall	1000	N
1997					Bureau	1000	N
					Marshall	1000	N
1998					Edwards	650	C
					Bureau	1000	N
1999					Menard	1000	N
2000					Tazewell	1000	N
					Menard	1000	N

Table 58. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2c: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS
NUCLEAR EMPHASIS

STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1977	Pike	Petersburg 3	532	C			
1978	Gibson	Gibson 3	650	C			
1979	Jasper	Schaffer 15	556	C			
	Posey	Brown 1	265	C			
	Gibson	Gibson 4	650	C			
1980	Sullivan	Merom 1	490	C			
1981	Spencer	Rockport 1	1300	C			
	Sullivan	Merom 2	490	C			
1982	Pike	Petersburg 4	532	C			
	Spencer	Rockport 2	1300	C			
	Jefferson	Marble Hill 1	1130	N			
1983	Posey	Brown 2	265	C			
1984	Jefferson	Marble Hill 2	1130	N			
1985	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1986					Ohio	1000	N
1987	Posey	Brown 3	500	C	Switzerland	1000	N
1989					Switzerland	650	C
1990					Ohio	1000	N
1991					Ohio	650	C
1992					Switzerland	1000	N
1993	Posey	Brown 4	500	C	Dearborn	1000	N
1994					Switzerland	650	C
1995					Ohio	650	C
1996					Starke	1000	N
1997					Dearborn	650	C
1998					Dearborn	1000	N
1999					Jefferson	650	C

Table 59. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000 SCENARIO 2c: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, NUCLEAR EMPHASIS

STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1977	Carroll	Ghent 2	550	C			
	Mason	Spurlock 1	300	C			
1978	Jefferson	Mill Creek 3	425	C			
1979	Webster	Green 1	240	C			
1980	Boone	East Bend 1	600	C			
	Jefferson	Mill Creek 4	495	C			
	Webster	Green 2	240	C			
1981	Carroll	Ghent 3	550	C			
	Mason	Spurlock 2	500	C			
1983	Trimble	Trimble 1	495	C			
	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1984	Lewis	Lewis 2	1300	C			
	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1985	Trimble	Trimble 2	495	C			
1987	Boone	East Bend 3	800	C			
1988	Trimble	Trimble 3	675	C			
1991	Trimble	Trimble 4	675	C			
1993					Bracken	650	C
1996					Bracken	650	C
1998					Gallatin	650	C
2000					Oldham	650	C

Table 60. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 2c: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, NUCLEAR EMPHASIS
STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
	Coshocton	Conesville 6	403	C			
1979	Clermont	Zimmer 1	810	N			
1982	Adams	Killen 2	600	C			
1983	Athens	Poston 5	403	C			
1985	Adams	Killen 1	600	C			
	Athens	Poston 6	403	C			
1986					Brown	650	C
1988					Morgan	650	C
1989					Brown	1000	N
1990					Brown	650	C
1991					Clermont	650	C
1992	Clermont	Zimmer 2	810	N			
1994					Washington	650	C
1997					Clermont	650	C
1998					Brown	1000	N
1999					Washington	650	C
2000					Lawrence	650	C

Table 61. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000 SCENARIO 2c: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, NUCLEAR EMPHASIS

STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Beaver Valley 1	85	N			
1980	Beaver	Mansfield 3	917	C			
1982	Beaver	Beaver Valley 2	856	N			
1983	Armstrong	Lower Armstrong 1	630	C			
1984	Indiana	Seward 7	800	C			
	Beaver	Beaver Valley 2	29	N			
	Armstrong	Lower Armstrong 2	630	C			
1985	Armstrong	Lower Armstrong 3	630	C			
1986					Venango	1000	N
					Green	1000	N
1989					Green	650	C
1992					Washington	650	C
1993					Clarion	650	C
1994					Venango	1000	N
1995					Green	1000	N
1996					Washington	650	C
1999					Butler	1000	N

Table 62. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000 SCENARIO 2c: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, NUCLEAR EMPHASIS

STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1979	Pleasants	Pleasants 1	626	C			
1980	Pleasants	Pleasants 2	626	C			
	Mason	New Haven 1	1300	C			
1986					Wayne	650	C
1987					Jackson	650	C
1988					Wayne	650	C
1989					Jackson	650	C
1990					Pleasants	650	C
1997					Brooke	650	C

Figure 11. SCENARIO 3:
ALTERNATE TECHNOLOGY, BASE CASE CONTROLS
TOTAL PROPOSED COAL-FIRED GENERATING
CAPACITY ADDITIONS, 1976-85
PLUS SCENARIO UNIT ADDITIONS, 1986-2000

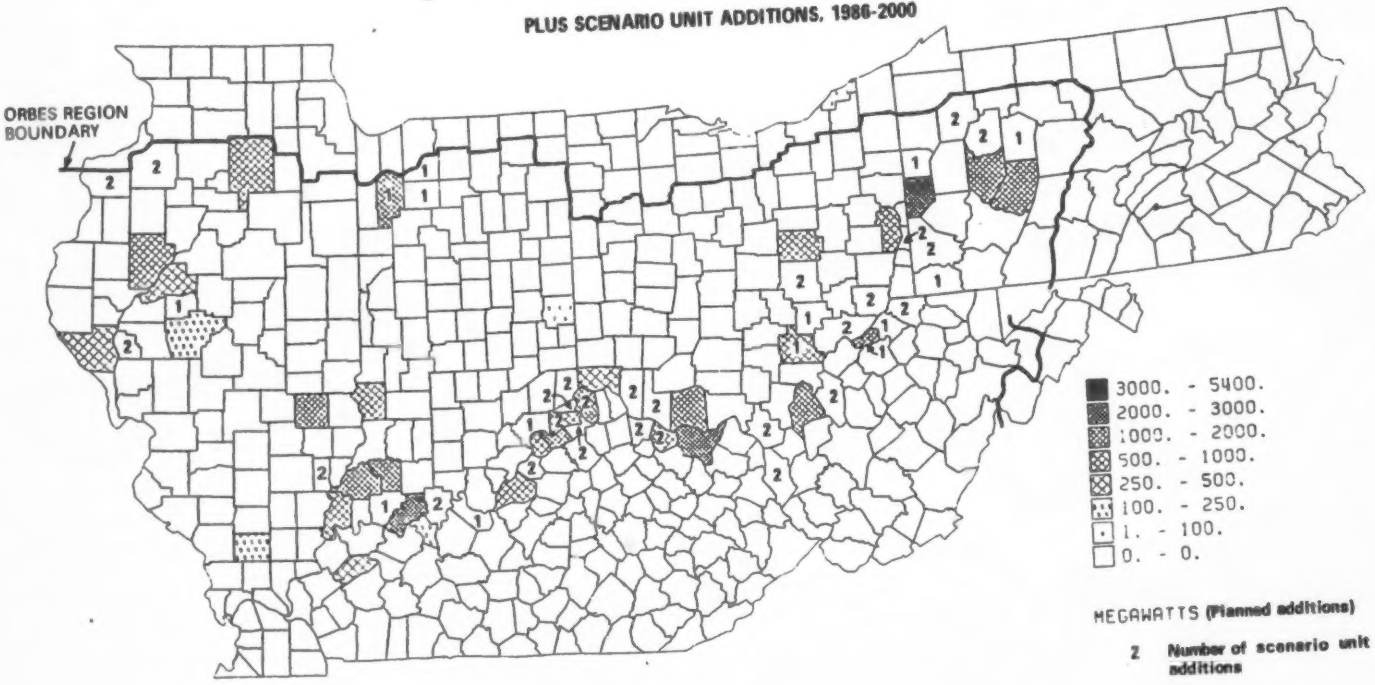

ORBES REGION BOUNDARY
■ 3000. - 5400.
▩ 2000. - 3000.
▩ 1000. - 2000.
▨ 500. - 1000.
▨ 250. - 500.
⁙ 100. - 250.
· 1. - 100.
☐ 0. - 0.
MEGAWATTS (Planned additions)
2 Number of scenario unit additions

Table 63. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 3: ALTERNATE TECHNOLOGY, BASE CASE CONTROLS
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Mason	Havana 6	450	C			
	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	LaSalle	LaSalle 1	1078	N			
1980	LaSalle	LaSalle 2	1078	N			
1981	Jasper	Newton 2	600	C			
	DeWitt	Clinton 1	950	N			
1982	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 3	600	C			
	Pike	Pearl Station 2	400	C			
	DeWitt	Clinton 2	950	N			
1985	LaSalle	Unsited P3	550	C			
1986	Williamson	Marion 5	173	C			
1987					Mercer	650	C
1988					Edwards	650	C
1989	Fulton	Duck Creek 3	500	C			
1990	Fulton	Duck Creek 4	600	C			
1991					Mercer	650	C
1993					Edwards	650	C
1994					Scott	650	C
1996					Henry	650	C
1997					Scott	650	C
1999					Henry	650	C
2000					Menard	650	C

Table 64. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 3: ALTERNATE TECHNOLOGY, BASE CASE CONTROLS
STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1977	Pike	Petersburg 3	532	C			
1978	Gibson	Gibson 3	650	C			
1979	Jasper	Schaffer 15	556	C			
	Posey	Brown 1	265	C			
	Gibson	Gibson 4	650	C			
1980	Sullivan	Merom 1	490	C			
1981	Spencer	Rockport 1	1300	C			
	Sullivan	Merom 2	490	C			
1982	Pike	Petersburg 4	532	C			
	Spencer	Rockport 2	1300	C			
	Jefferson	Marble Hill 1	1130	N			
1983	Posey	Brown 2	265	C			
1984	Jefferson	Marble Hill 2	1130	N			
1985	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1986					Switzerland	650	C
1987	Posey	Brown 3	500	C			
1989					Ohio	650	C
1990					Switzerland	650	C
1991					Ohio	650	C
1992					Dearborn	650	C
1993	Posey	Brown 4	500	C			
1994					Jefferson	650	C
1995					Dearborn	650	C
1996					Starke	650	C
					Perry	650	C
1997					Pulaski	650	C
1998					Perry	650	C
1999					Warrick	650	C
2000					Jasper	650	C

Table 65. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 3: ALTERNATE TECHNOLOGY, BASE CASE CONTROLS
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1977	Carroll	Ghent 2	550	C			
	Mason	Spurlock 1	300	C			
1978	Jefferson	Mill Creek 3	425	C			
1979	Webster	Green 1	240	C			
1980	Boone	East Bend 1	600	C			
	Jefferson	Mill Creek 4	495	C			
	Webster	Green 2	240	C			
1981	Carroll	Ghent 3	550	C			
	Mason	Spurlock 2	500	C			
1983	Trimble	Trimble 1	495	C			
	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1984	Lewis	Lewis 2	1300	C			
	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1985	Trimble	Trimble 2	495	C			
1986					Bracken	650	C
1987	Boone	East Bend 3	800	C			
1988	Trimble	Trimble 3	675	C			
1989					Gallatin	650	C
1990					Bracken	650	C
1991	Trimble	Trimble 4	675	C			
1992					Oldham	650	C
1994					Gallatin	650	C
1995					Oldham	650	C
1996					Mason	650	C
1997					Boone	650	C
1998					Mason	650	C
1999					Boone	650	C
2000					Meade	650	C

Table 66. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 3: ALTERNATE TECHNOLOGY, BASE CASE CONTROLS
STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
	Coshocton	Conesville 6	403	C			
1979	Clermont	Zimmer 1	810	N			
1982	Adams	Killen 2	600	C			
1983	Athens	Poston 5	403	C			
1985	Adams	Killen 1	600	C			
	Athens	Poston 6	403	C			
1986					Brown	650	C
1987					Morgan	650	C
1988					Brown	650	C
1989					Clermont	650	C
1990					Washington	650	C
1991					Clermont	650	C
1992	Clermont	Zimmer 2	810	N			
1993					Washington	650	C
1994					Lawrence	650	C
1995					Monroe	650	C
1996					Lawrence	650	C
1997					Monroe	650	C
1998					Muskingum	650	C
1999					Athens	650	C
2000					Muskingum	650	C

Table 67. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 3: ALTERNATE TECHNOLOGY, BASE CASE CONTROLS
STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Beaver Valley 1	85	N			
1980	Beaver	Mansfield 3	917	C			
1982	Beaver	Beaver Valley 2	856	N			
1983	Armstrong	Lower Armstrong 1	630	C			
1984	Indiana	Seward 7	800	C			
	Beaver	Beaver Valley 2	29	N			
	Armstrong	Lower Armstrong 2	630	C			
1985	Armstrong	Lower Armstrong 3	630	C			
1987					Greene	650	C
1989					Washington	650	C
1990					Clarion	650	C
1992					Washington	650	C
1993					Clarion	650	C
1995					Venango	650	C
1996					Jefferson	650	C
1998					Venango	650	C
1999					Lawrence	650	C

Table 68. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 3: ALTERNATE TECHNOLOGY, BASE CASE CONTROLS
STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1979	Pleasants	Pleasants 1	626	C			
1980	Pleasants	Pleasants 2	626	C			
	Mason	New Haven 1	1300	C			
1986					Wayne	650	C
1988					Jackson	650	C
1989					Wayne	650	C
1991					Jackson	650	C
1993					Pleasants	650	C
1994					Brooke	650	C
1995					Wetzel	650	C
1997					Brooke	650	C
1998					Wetzel	650	C
2000					Tyler	650	C

Figure 12. SCENARIO 4:
CONVENTIONAL TECHNOLOGY, NATURAL GAS EMPHASIS, BASE CASE CONTROLS

TOTAL PROPOSED COAL-FIRED GENERATING
CAPACITY ADDITIONS, 1976-85

SCENARIO UNIT ADDITIONS, 1986-2000

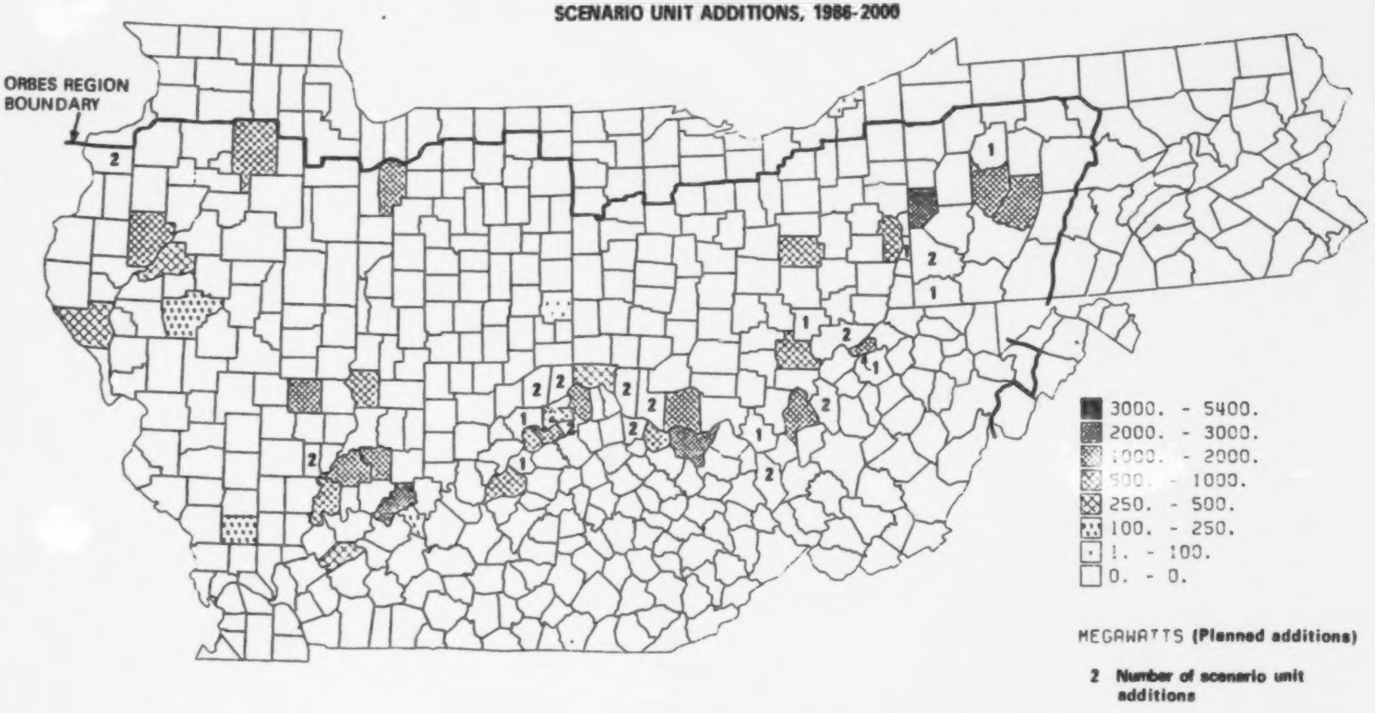

ORBES REGION BOUNDARY
3000. - 5400.
2000. - 3000.
1000. - 2000.
500. - 1000.
250. - 500.
100. - 250.
1. - 100.
0. - 0.
MEGAWATTS (Planned additions)
2 Number of scenario unit additions

Table 69. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 4: CONVENTIONAL TECHNOLOGY, NATURAL GAS EMPHASIS, BASE CASE CONTROLS
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	Mason	Havana 6	450	C			
1980	LaSalle	LaSalle 1	1078	N			
1982	DeWitt	Clinton 1	950	N			
1983	LaSalle	LaSalle 2	1078	N			
	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 2	600	C			
1986	DeWitt	Clinton 2	950	N			
	Pike	Pearl 2	400	C			
1989	Jasper	Newton 3	600	C			
1990	Williamson	Marion 5	173	C			
1991	Fulton	Duck Creek 3	600	C			
1992	LaSalle	Unsited P3	550	C			
	Fulton	Duck Creek 4	500	C			
1993					Mercer	650	C
1995					Edwards	650	C
1997					Mercer	650	C
1999					Edwards	650	C

Table 70. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 4: CONVENTIONAL TECHNOLOGY, NATURAL GAS EMPHASIS, BASE CASE CONTROLS
STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1978	Pike	Petersburg 3	532	C			
1979	Gibson	Gibson 3	650	C			
	Jasper	Schaffer 15	556	C			
1980	Gibson	Gibson 4	650	C			
1981	Sullivan	Merom 1	490	C			
1983	Sullivan	Merom 2	490	C			
	Posey	Brown 1	265	C			
1985	Pike	Petersburg 4	532	C			
	Posey	Brown 2	265	C			
	Jefferson	Marble Hill 1	1130	N			
1986	Spencer	Rockport 1	1300	C			
1988	Spencer	Rockport 2	1300	C			
1989	Jefferson	Marble Hill 2	1130	N			
1990	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1992	Posey	Brown 4	500	C			
1994	Posey	Brown 4	500	C	Switzerland	650	C
1995					Ohio	650	C
1996					Switzerland	650	C
1997					Ohio	650	C
1998					Dearborn	650	C
1999					Jefferson	650	C
2000					Dearborn	650	C

Table 71. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 4: CONVENTIONAL TECHNOLOGY, NATURAL GAS EMPHASIS
BASE CASE CONTROLS
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1978	Mason	Spurlock 1	300	C			
1979	Jefferson	Mill Creek 3	425	C			
	Carroll	Ghent 2	550	C			
1981	Webster	Green 1	240	C			
	Boone	East Bend 1	600	C			
1982	Jefferson	Mill Creek 4	495	C			
1983	Webster	Green 2	240	C			
	Carroll	Ghent 3	550	C			
1985	Trimble	Trimble 1	495	C			
1987	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1988	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1989	Mason	Spurlock 2	500	C			
1990	Trimble	Trimble 2	495	C			
	Boone	East Bend 3	800	C			
1991	Lewis	Lewis 2	1300	C			
1992	Trimble	Trimble 3	675	C			
1993	Trimble	Trimble 4	675	C			
1994					Bracken	650	C
1996					Gallatin	650	C
1997					Bracken	650	C
1998					Gallatin	650	C
1999					Oldham	650	C

Table 72. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000 SCENARIO 4: CONVENTIONAL TECHNOLOGY, NATURAL GAS EMPHASIS, BASE CASE CONTROLS

STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
1979	Coshocton	Conesville 6	403	C			
1980	Clermont	Zimmer 1	810	N			
1984	Adams	Killen 2	600	C			
1985	Athens	Poston 5	403	C			
1986	Athens	Poston 6	403	C			
1989	Adams	Killen 1	600	C			
1991	Clermont	Zimmer 2	810	N			
1993					Brown	650	C
1994					Morgan	650	C
1995					Brown	650	C
1996					Clermont	650	C
1997					Washington	650	C
1998					Clermont	650	C
1999					Washington	650	C
2000					Lawrence	650	C

Table 73. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 4: CONVENTIONAL TECHNOLOGY, NATURAL GAS EMPHASIS, BASE CASE CONTROLS
STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	85	N			
1981	Beaver	Mansfield 3	917	C			
1984	Beaver	Beaver Valley 2	856	N			
	Armstrong	Lower Armstrong 1	630	C			
1986	Beaver	Beaver Valley 2	29	N			
1987	Armstrong	Lower Armstrong 2	630	C			
1988	Indiana	Seward 7	800	C			
1990	Armstrong	Lower Armstrong 3	630	C			
1993					Greene	650	C
1995					Washington	650	C
1998					Clarion	650	C
2000					Washington	650	C

Table 74. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 4: CONVENTIONAL TECHNOLOGY, NATURAL GAS EMPHASIS, BASE CASE CONTROLS
STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1980	Pleasants	Pleasants 1	626	C			
1981	Pleasants	Pleasants 2	626	C			
1982	Mason	New Haven 1	1300	C			
1992					Wayne	650	C
1994					Jackson	650	C
1996					Wayne	650	C
1997					Jackson	650	C
1999					Pleasants	650	C
2000					Brooke	650	C

Figure 13. SCENARIO 5:
CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, LOW ECONOMIC GROWTH
TOTAL PROPOSED COAL-FIRED GENERATING
CAPACITY ADDITIONS, 1976-85
PLUS SCENARIO UNIT ADDITIONS, 1986-2000

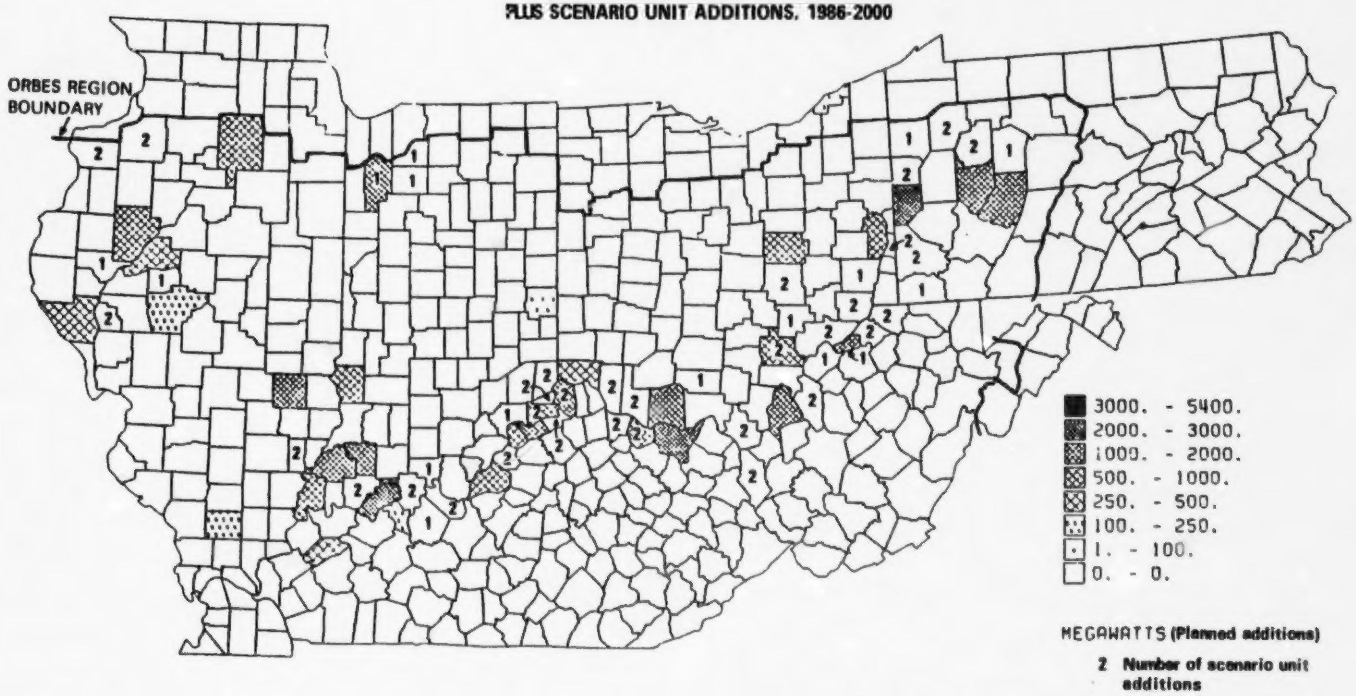

ORBES REGION BOUNDARY
3000. - 5400.
2000. - 3000.
1000. - 2000.
500. - 1000.
250. - 500.
100. - 250.
1. - 100.
0. - 0.
MEGAWATTS (Planned additions)
2 Number of scenario unit additions

Table 75. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 5: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, LOW ECONOMIC GROWTH
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Mason	Havana 6	450	C			
	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	LaSalle	LaSalle 1	1078	N			
1980	LaSalle	LaSalle 2	1078	N			
1981	Jasper	Newton 2	600	C			
	DeWitt	Clinton 1	950	N			
1982	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 3	600	C			
	Pike	Pearl Station 2	400	C			
	DeWitt	Clinton 2	950	N			
1985	LaSalle	Unsited P3	550	C			
1986	Williamson	Marion 5	173	C			
1987					Mercer	650	C
1988					Edwards	650	C
1989	Fulton	Duck Creek 3	500	C			
1990	Fulton	Duck Creek 4	600	C			
1991					Mercer	650	C
1992					Edwards	650	C
1994					Scott	650	C
1995					Henry	650	C
1996					Scott	650	C
1997					Henry	650	C
1999					Menard	650	C
2000					Schuyler	650	C

Table 76. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 5: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, LOW ECONOMIC GROWTH
STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1977	Pike	Petersburg 3	532	C			
1978	Gibson	Gibson 3	650	C			
1979	Jasper	Schaffer 15	556	C			
	Posey	Brown 1	265	C			
	Gibson	Gibson 4	650	C			
1980	Sullivan	Merom 1	490	C			
1981	Spencer	Rockport 1	1300	C			
	Sullivan	Merom 2	490	C			
1982	Pike	Petersburg 4	532	C			
	Spencer	Rockport 2	1300	C			
	Jefferson	Marble Hill 1	1130	N			
1983	Posey	Brown 2	265	C			
1984	Jefferson	Marble Hill 2	1130	N			
1985	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1986					Switzerland	650	C
1987	Posey	Brown 3	500	C			
1989					Ohio	650	C
1990					Switzerland	650	C
1991					Ohio	650	C
1992					Dearborn	650	C
1993	Posey	Brown 4	500	C	Jefferson	650	C
1994					Dearborn	650	C
					Starke	650	C
1995					Perry	650	C
1996					Pulaski	650	C
1997					Perry	650	C
1998					Warrick	650	C
					Jasper	650	C
1999					Warrick	650	C
2000					Crawford	650	C

Table 77. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 5: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, LOW ECONOMIC GROWTH
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1977	Carroll	Ghent 2	550	C			
	Mason	Spurlock 1	300	C			
1978	Jefferson	Mill Creek 3	425	C			
1979	Webster	Green 1	240	C			
1980	Boone	East Bend 1	600	C			
	Jefferson	Mill Creek 4	495	C			
	Webster	Green 2	240	C			
1981	Carroll	Ghent 3	550	C			
	Mason	Spurlock 2	500	C			
1983	Trimble	Trimble 1	495	C			
	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1984	Lewis	Lewis 2	1300	C			
	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1985	Trimble	Trimble 2	495	C			
1986					Bracken	650	C
1987	Boone	East Bend 3	800	C			
1988	Trimble	Trimble 3	675	C			
1989					Bracken	650	C
1990					Gallatin	650	C
1991	Trimble	Trimble 4	675	C			
1992					Oldham	650	C
1993					Gallatin	650	C
1994					Oldham	650	C
1995					Mason	650	C
1996					Boone	650	C
1997					Mason	650	C
					Boone	650	C
1998					Meade	650	C
1999					Breckenridge	650	C
2000					Meade	650	C

Table 78. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 5: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, LOW ECONOMIC GROWTH
STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
	Coshocton	Conesville 6	403	C			
1979	Clermont	Zimmer 1	810	N			
1982	Adams	Killen 2	600	C			
1983	Athens	Poston 5	403	C			
1985	Adams	Killen 1	600	C			
	Athens	Poston 6	403	C			
1986					Brown	650	C
					Morgan	650	C
1987					Brown	650	C
1988					Clermont	650	C
1989					Washington	650	C
1990					Clermont	650	C
					Washington	650	C
1991					Lawrence	650	C
1992	Clermont	Zimmer 2	810	N			
1993					Monroe	650	C
1994					Lawrence	650	C
1995					Monroe	650	C
1996					Muskingum	650	C
1997					Athens	650	C
1998					Muskingum	650	C
1999					Athens	650	C
					Pike	650	C
2000					Belmont	650	C

Table 79. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 5: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS
LOW ECONOMIC GROWTH
STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Beaver Valley 1	85	N			
1980	Beaver	Mansfield 3	917	C			
1982	Beaver	Beaver Valley 2	856	N			
1983	Armstrong	Lower Armstrong 1	630	C			
1984	Indiana	Seward 7	800	C			
	Beaver	Beaver Valley 2	29	N			
	Armstrong	Lower Armstrong 2	630	C			
1985	Armstrong	Lower Armstrong 3	630	C			
1987					Greene	650	C
1989					Washington	650	C
1990					Clarion	650	C
1992					Washington	650	C
1993					Clarion	650	C
1994					Venango	650	C
1995					Jefferson	650	C
1997					Venango	650	C
1998					Lawrence	650	C
1999					Mercer	650	C
2000					Lawrence	650	C

Table 80. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000 SCENARIO 5: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, LOW ECONOMIC GROWTH

STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1979	Pleasants	Pleasants 1	626	C			
1980	Pleasants	Pleasants 2	626	C			
	Mason	New Haven 1	1300	C			
1986					Wayne	650	C
1987					Jackson	650	C
1988					Wayne	650	C
1989					Jackson	650	C
1990					Pleasants	650	C
1991					Brooke	650	C
1993					Wetzel	650	C
1994					Brooke	650	C
1996					Wetzel	650	C
1997					Tyler	650	C
1998					Wood	650	C
1999					Tyler	650	C

Figure 14. SCENARIO 5a:
CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, VERY HIGH ECONOMIC GROWTH
TOTAL PROPOSED COAL-FIRED GENERATING CAPACITY ADDITIONS, 1976-85
PLUS SCENARIO UNIT ADDITIONS, 1986-2000

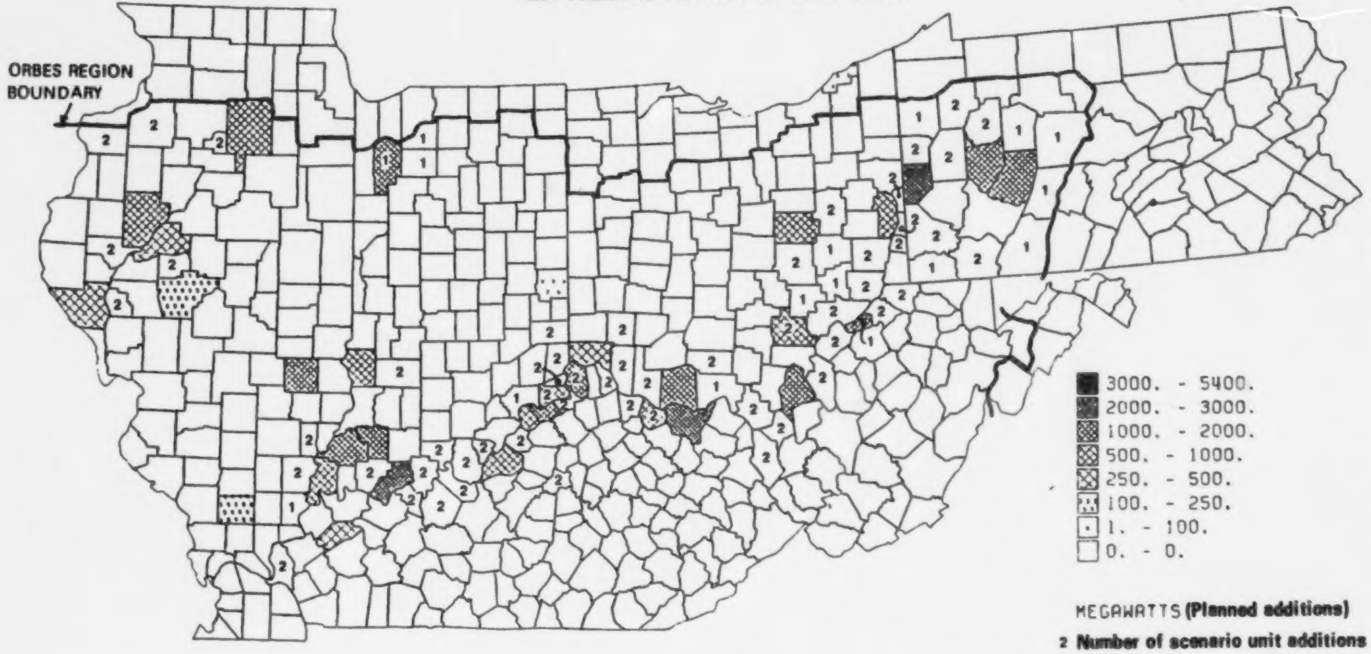

ORBES REGION BOUNDARY
3000. - 5400.
2000. - 3000.
1000. - 2000.
500. - 1000.
250. - 500.
100. - 250.
1. - 100.
0. - 0.
MEGAWATTS (Planned additions)
2 Number of scenario unit additions

Table 81. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 5a: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, VERY HIGH ECONOMIC GROWTH
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Mason	Havana 6	450	C			
	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	LaSalle	LaSalle 1	1078	N			
1980	LaSalle	LaSalle 2	1078	N			
1981	Jasper	Newton 2	600	C			
	DeWitt	Clinton 1	950	N			
1982	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 3	600	C			
	Pike	Pearl Station 2	400	C			
	DeWitt	Clinton 2	950	N			
1985	LaSalle	Unsited P3	550	C			
1986	Williamson	Marion 5	173	C	Mercer	650	C
1987					Edwards	650	C
1988					Mercer	650	C
1989	Fulton	Duck Creek 3	500	C			
1990	Fulton	Duck Creek 4	600	C			
1991					Edwards	650	C
1992					Scott	650	C
1993					Henry	650	C
1994					Scott	650	C
1995					Henry	650	C
1996					Menard	650	C
					Schuyler	650	C
1997					Menard	650	C
					Schuyler	650	C
1998					Putnam	650	C
1999					White	650	C
					Putnam	650	C
2000					Gallatin	650	C
					White	650	C

Table 82. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 5a: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, VERY HIGH ECONOMIC GROWTH

STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1977	Pike	Petersburg 3	532	C			
1978	Gibson	Gibson 3	650	C			
1979	Jasper	Schaffer 15	556	C			
	Posey	Brown 1	265	C			
	Gibson	Gibson 4	650	C			
1980	Sullivan	Merom 1	490	C			
1981	Spencer	Rockport 1	1300	C			
	Sullivan	Merom 2	490	C			
1982	Pike	Petersburg 4	532	C			
	Spencer	Rockport 2	1300	C			
	Jefferson	Marble Hill 1	1130	N			
1983	Posey	Brown 2	265	C			
1984	Jefferson	Marble Hill 2	1130	N			
1985	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1986					Switzerland	650	C
1987	Posey	Brown 3	500	C	Ohio	650	C
					Switzerland	650	C
1989					Ohio	650	C
					Dearborn	650	C
1990					Jefferson	650	C
					Dearborn	650	C
1991					Starke	650	C
1992					Perry	650	C
1993	Posey	Brown 4	500	C	Pulaski	650	C
1994					Perry	650	C
					Warrick	650	C
1995					Jasper	650	C
					Warrick	650	C
1996					Crawford	650	C
					Floyd	650	C
1997					Crawford	650	C
					Floyd	650	C
1998					Harrison	650	C
					Greene	650	C
					Franklin	650	C
1999					Harrison	650	C
2000					Greene	650	C
					Franklin	650	C

Table 83. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 5a: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, VERY HIGH ECONOMIC GROWTH
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1977	Carroll	Ghent 2	550	C			
	Mason	Spurlock 1	300	C			
1978	Jefferson	Mill Creek 3	425	C			
1979	Webster	Green 1	240	C			
1980	Boone	East Bend 1	600	C			
	Jefferson	Mill Creek 4	495	C			
	Webster	Green 2	240	C			
1981	Carroll	Ghent 3	550	C			
	Mason	Spurlock 2	500	C			
1983	Trimble	Trimble 1	495	C			
	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1984	Lewis	Lewis 2	1300	C			
	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1985	Trimble	Trimble 2	495	C			
1986					Bracken	650	C
1987	Boone	East Bend 3	800	C	Campbell	650	C
1988	Trimble	Trimble 3	675	C	Bracken	650	C
1989					Gallatin	650	C
					Oldham	650	C
1990					Gallatin	650	C
1991	Trimble	Trimble 4	675	C	Oldham	650	C
1992					Mason	650	C
					Boone	650	C
1993					Mason	650	C
1994					Boone	650	C
					Meade	650	C
1995					Breckenridge	650	C
					Meade	650	C
1996					Breckenridge	650	C
					Campbell	650	C
1997					Livingston	650	C
					Anderson	650	C
1998					Hancock	650	C
					Livingston	650	C
1999					Anderson	650	C
2000					Hancock	650	C

Table 84. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 5a: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS,
VERH HIGH ECONOMIC GROWTH
STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
	Coshocton	Conesville 6	403	C			
1979	Clermont	Zimmer 1	810	N			
1982	Adams	Killen 2	600	C			
1983	Athens	Poston 5	403	C			
1985	Adams	Killen 1	600	C			
	Athens	Poston 6	403	C			
1986					Brown	650	C
					Morgan	650	C
1987					Brown	650	C
1988					Clermont	650	C
					Washington	650	C
1989					Clermont	650	C
					Washington	650	C
1990					Lawrence	650	C
					Monroe	650	C
1991					Lawrence	650	C
					Monroe	650	C
1992	Clermont	Zimmer 2	810	N	Muskingum	650	C
1993					Athens	650	C
					Muskingum	650	C
1994					Athens	650	C
					Pike	650	C
1995					Belmont	650	C
					Pike	650	C
1996					Belmont	650	C
					Scioto	650	C
1997					Warren	650	C
1998					Tuscarawas	650	C
					Guernsey	650	C
1999					Nobel	650	C
					Warren	650	C
2000					Tuscarawas	650	C

Table 85. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 5a: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, VERY HIGH ECONOMIC GROWTH
STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Beaver Valley 1	85	N			
1980	Beaver	Mansfield 3	917	C			
1982	Beaver	Beaver Valley 2	856	N			
1983	Armstrong	Lower Armstrong 1	630	C			
1984	Indiana	Seward 7	800	C			
	Beaver	Beaver Valley 2	29	N			
	Armstrong	Lower Armstrong 2	630	C			
1985	Armstrong	Lower Armstrong 3	630	C			
1986					Greene	650	C
1987					Washington	650	C
					Clarion	650	C
1988					Washington	650	C
1989					Clarion	650	C
1990					Venango	650	C
1991					Jefferson	650	C
1992					Lawrence	650	C
					Venango	650	C
1993					Mercer	650	C
1994					Lawrence	650	C
					Clearfield	650	C
1995					Butler	650	C
1996					Cambria	650	C
1997					Butler	650	C
1998					Somerset	650	C
1999					Fayette	650	C
2000					Fayette	650	C

Table 86. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 5a: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, VERY HIGH ECONOMIC GROWTH
STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1979	Pleasants	Pleasants 1	626	C			
1980	Pleasants	Pleasants 2	626	C			
	Mason	New Haven 1	1300	C			
1986					Wayne	650	C
					Jackson	650	C
1987					Wayne	650	C
1988					Jackson	650	C
					Pleasants	650	C
1989					Brooke	650	C
1990					Wetzel	650	C
1991					Brooke	650	C
1992					Wetzel	650	C
1993					Tyler	650	C
					Wood	650	C
1994					Tyler	650	C
1995					Wood	650	C
1996					Ohio	650	C
1997					Hancock	650	C
1998					Ohio	650	C
1999					Cabell	650	C
2000					Hancock	650	C
					Cabell	650	C

Figure 15. SCENARIO 6:
CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, VERY LOW ENERGY GROWTH
TOTAL PROPOSED COAL-FIRED GENERATING
CAPACITY ADDITIONS, 1976-85
PLUS SCENARIO UNIT ADDITIONS,1986-2000

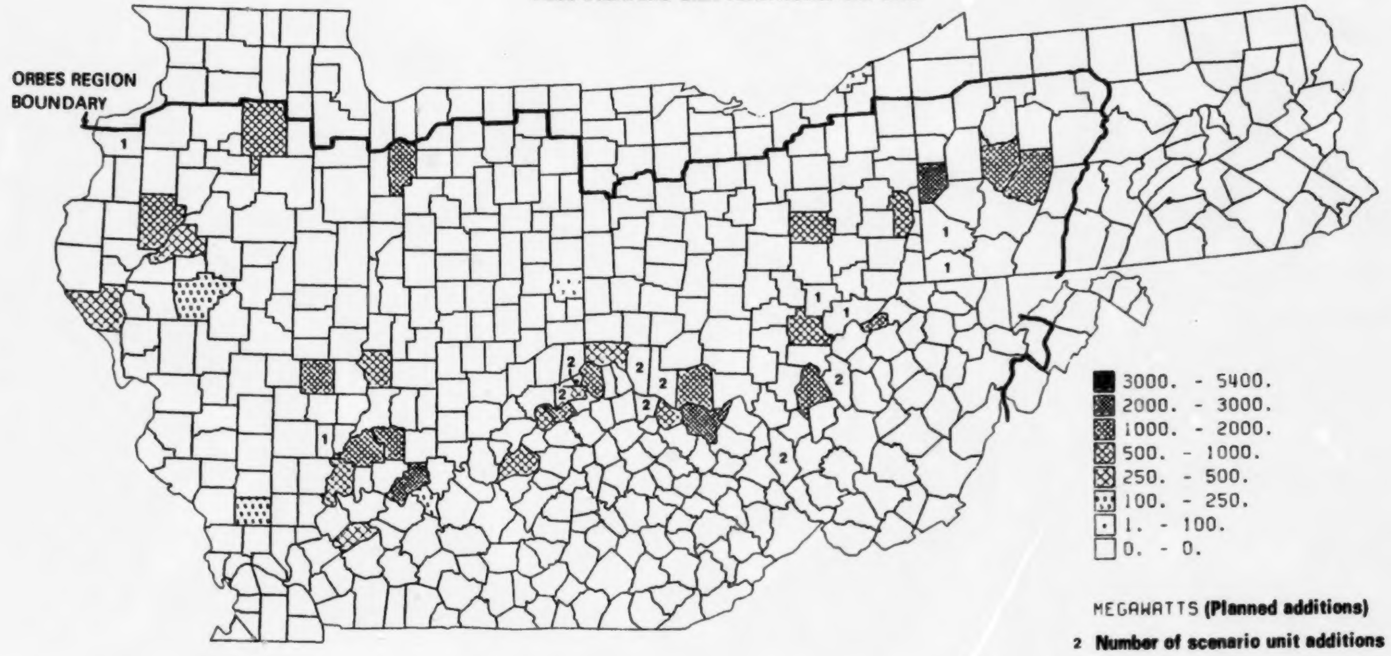

ORBES REGION
BOUNDARY
1
1
1
1
1
1
2
2
2
2
2
2
2
2
3000. - 5400.
2000. - 3000.
1000. - 2000.
500. - 1000.
250. - 500.
100. - 250.
1. - 100.
0. - 0.
MEGAWATTS (Planned additions)
2 Number of scenario unit additions

Table 87. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 6: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS
VERY LOW ENERGY GROWTH
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek	417	C			
1977	Jasper	Newton 1	617	C			
1978	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	Mason	Havana 6	450	C			
1980	LaSalle	LaSalle 1	1078	N			
1982	DeWitt	Clinton 1	950	N			
1983	LaSalle	LaSalle 2	1078	N			
	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 2	600	C			
1986	DeWitt	Clinton 2	950	N			
	Pike	Pearl 2	400	C			
1989	Jasper	Newton 3	600	C			
1990	Williamson	Marion 5	173	C			
1991	Fulton	Duck Creek 3	600	C			
1992	LaSalle	Unsited P3	550	C			
	Fulton	Duck Creek 4	500	C			
1995					Mercer	650	C
1999					Edwards	650	C

Table 88. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 6: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, VERY LOW ENERGY GROWTH
STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1978	Pike	Petersburg 3	532	C			
1979	Gibson	Gibson 3	650	C			
	Jasper	Schaffer 15	556	C			
1980	Gibson	Gibson 4	650	C			
1981	Sullivan	Merom 1	490	C			
1983	Sullivan	Merom 2	490	C			
	Posey	Brown 1	265	C			
1985	Pike	Petersburg 4	532	C			
	Posey	Brown 2	265	C			
	Jefferson	Marble Hill 1	1130	N			
1986	Spencer	Rockport 1	1300	C			
1988	Spencer	Rockport 2	1300	C			
1989	Jefferson	Marble Hill 2	1130	N			
1990	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1992	Posey	Brown 4	500	C			
1994	Posey	Brown 4	500	C			
1995					Switzerland	650	C
1996					Ohio	650	C
1998					Switzerland	650	C
2000					Ohio	650	C

Table 89. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 6: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, VERY LOW ENERGY GROWTH
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1978	Mason	Spurlock 1	300	C			
1979	Jefferson	Mill Creek 3	425	C			
	Carroll	Ghent 2	550	C			
1981	Webster	Green 1	240	C			
	Boone	East Bend 1	600	C			
1982	Jefferson	Mill Creek 4	495	C			
1983	Webster	Green 2	240	C			
	Carroll	Ghent 3	550	C			
1985	Trimble	Trimble 1	495	C			
1987	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1988	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1989	Mason	Spurlock 2	500	C			
1990	Trimble	Trimble 2	495	C			
	Boone	East Bend 3	800	C			
1991	Lewis	Lewis 2	1300	C			
1992	Trimble	Trimble 3	675	C			
1993	Trimble	Trimble 4	675	C			
1994					Bracken	650	C
1997					Bracken	650	C

Table 90. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 6: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, VERY LOW ENERGY GROWTH
STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
1979	Coshocton	Conesville 6	403	C			
1980	Clermont	Zimmer 1	810	N			
1984	Adams	Killen 2	600	C			
1985	Athens	Poston 5	403	C			
1986	Athens	Poston 6	403	C			
1989	Adams	Killen 1	600	C			
1991	Clermont	Zimmer 2	810	N			
1993					Brown	650	C
1994					Morgan	650	C
1996					Brown	650	C
1998					Clermont	650	C
1999					Washington	650	C
2000					Clermont	650	C

Table 91. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 6: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS
VERY LOW ENERGY GROWTH
STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	85	N			
1981	Beaver	Mansfield 3	917	C			
1984	Beaver	Beaver Valley 2	856	N			
	Armstrong	Lower Armstrong 1	630	C			
1986	Beaver	Beaver Valley 2	29	N			
1987	Armstrong	Lower Armstrong 2	630	C			
1988	Indiana	Seward 7	800	C			
1990	Armstrong	Lower Armstrong 3	630	C			
1993					Greene	650	C
1997					Washington	650	C

Table 92. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 6: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, VERY LOW ENERGY GROWTH
STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1980	Pleasants	Pleasants 1	626	C			
1981	Pleasants	Pleasants 2	626	C			
1982	Mason	New Haven 1	1300	C			
1992					Wayne	650	C
					Jackson	650	C
1993					Wayne	650	C
1998					Jackson	650	C

Figure 16. SCENARIO 7: 35 YEAR LIFE
CONVENTIONAL COAL EMPHASIS, BASE CASE, HIGH ELECTRICAL ENERGY GROWTH
TOTAL PROPOSED COAL-FIRED GENERATING
CAPACITY ADDITIONS, 1976-85
PLUS SCENARIO UNIT ADDITIONS
1986– 2000

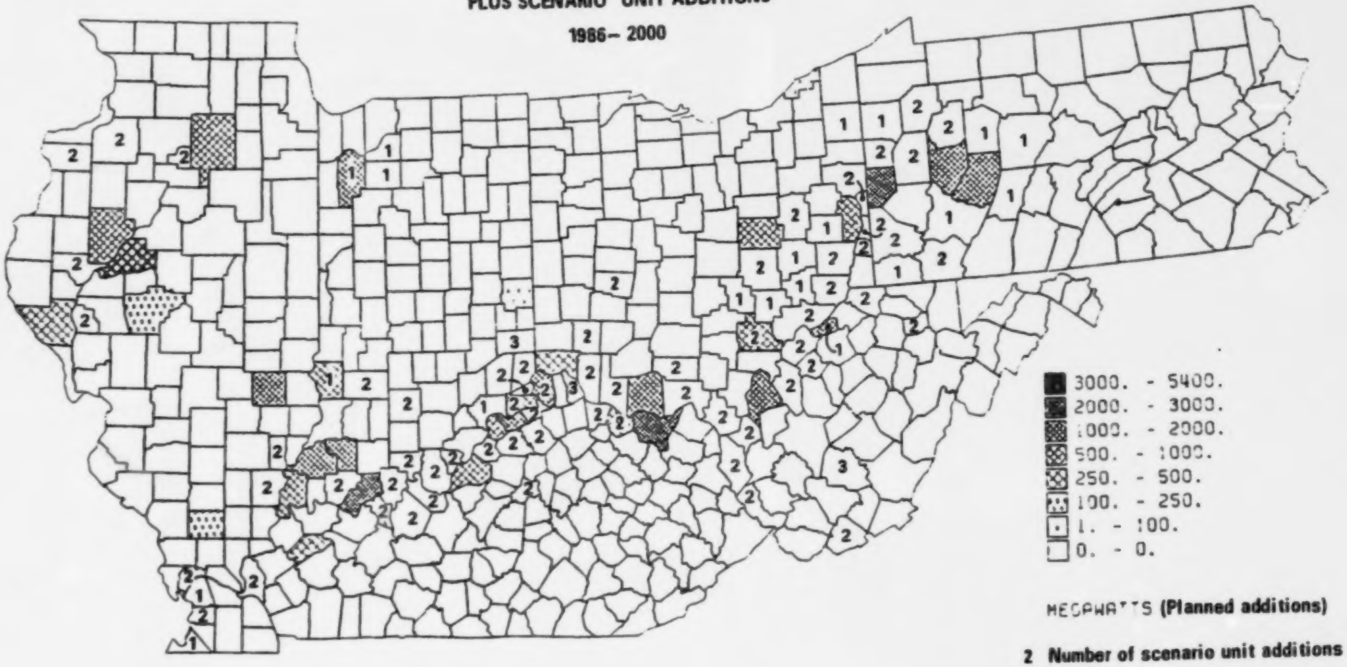

3000. - 5400.
2000. - 3000.
1000. - 2000.
500. - 1000.
250. - 500.
100. - 250.
1. - 100.
0. - 0.
MEGAWATTS (Planned additions)
2 Number of scenario unit additions

Table 93: SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, HIGH ELECTRICITY ENERGY GROWTH, 35 YEAR PLANT LIFE
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Mason	Havana 6	450	C			
	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	LaSalle	LaSalle 1	1078	N			
1980	LaSalle	LaSalle 2	1078	N			
1981	Jasper	Newton 2	600	C			
	DeWitt	Clinton 1	950	N			
1982	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 3	600	C			
	Pike	Pearl Station 2	500	C			
	DeWitt	Clinton 2	950	N			
1985	LaSalle	Unsited P3	550	C			
1986	Williamson	Marion 5	173	C	Mercer	650	C
1987					Edwards	650	C
1988					Mercer	650	C
1989	Fulton	Duck Creek 3	500	C			
1990	Fulton	Duck Creek 4	600	C			
1991					Edwards	650	C
					Scott	650	C
1992					Henry	650	C
					Scott	650	C
1993					Henry	650	C
1994					Menard	650	C
					Schuyler	650	C
1995					Menard	650	C
1996					Schuyler	650	C
1997					Putnam	650	C
					White	650	C
1998					Putnam	650	C
					White	650	C
1999					Gallatin	650	C
					Pulaski	650	C
2000					Gallatin	650	C
					Pulaski	650	C

Table 94: SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, HIGH ELECTRICITY ENERGY GROWTH, 35 YEAR PLANT LIFE
STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1977	Pike	Petersburg 3	532	C			
1978	Gibson	Gibson 3	650	C			
1979	Jasper	Schaffer 15	556	C			
	Posey	Brown 1	265	C			
	Gibson	Gibson 4	650	C			
1980	Sullivan	Merom 1	490	C			
1981	Spencer	Rockport 1	1300	C			
	Sullivan	Merom 2	490	C			
1982	Pike	Petersburg 4	532	C			
	Spencer	Rockport 2	1300	C			
	Jefferson	Marble Hill 1	1130	N			
1983	Posey	Brown 2	265	C			
1984	Jefferson	Marble Hill 2	1130	N			
1985	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1986					Switzerland	650	C
1987	Posey	Brown 3	500	C	Ohio	650	C
					Switzerland	650	C
1983					Ohio	650	C
					Dearborn	650	C
1989					Jefferson	650	C
					Dearborn	650	C
1990	Posey	Brown 4	500	C	Starke	650	C
					Perry	650	C
1991					Pulaski	650	C
					Perry	650	C
1992					Warrick	650	C
					Jasper	650	C
1993					Warrick	650	C
					Crawford	650	C
1994					Floyd	650	C
					Crawford	650	C
1995					Floyd	650	C
					Harrison	650	C
1996					Greene	650	C
					Harrison	650	C
1997					Greene	650	C
					Franklin	650	C
1998					Lawrence	650	C
					Franklin	650	C

Table 94: SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, HIGH ELECTRICITY ENERGY GROWTH, 35 YEAR PLANT LIFE
STATE SUBREGION: INDIANA (cont.)

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1999					Lawrence	650	C
					Fulton	650	C
2000					Sullivan	650	C
					Daviess	650	C

Table 95: SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, HIGH ELECTRICITY ENERGY GROWTH, 35 YEAR PLANT LIFE
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1977	Carroll	Ghent 2	550	C			
	Mason	Spurlock 1	300	C			
1978	Jefferson	Mill Creek 3	425	C			
1979	Webster	Green 1	240	C			
1980	Boone	East Bend 1	600	C			
	Jefferson	Mill Creek 4	495	C			
	Webster	Green 2	240	C			
1981	Carroll	Ghent 3	550	C			
	Mason	Spurlock 2	500	C			
1983	Trimble	Trimble 1	495	C			
	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1984	Lewis	Lewis 2	1300	C			
	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1985	Trimble	Trimble 2	495	C			
1986					Bracken	650	C
1987	Boone	East Bend 3	800	C			
1988	Trimble	Trimble 3	675	C	Bracken	650	C
1989					Gallatin	650	C
					Oldham	650	C
1990	Trimble	Trimble 4	675	C	Gallatin	650	C
1991					Oldham	650	C
					Mason	650	C
					Boone	650	C
1992					Mason	650	C
					Boone	650	C
					Meade	650	C
1993					Breckenridge	650	C
					Meade	650	C
					Breckenridge	650	C
1994					Campbell	650	C
					Livingston	650	C
1995					Campbell	650	C
					Livingston	650	C
					Anderson	650	C
1996					Hancock	650	C
					Anderson	650	C
1997					Hancock	650	C
					Owen	650	C
1998					Carlisle	650	C
					Owen	650	C

Table 95: SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS,
HIGH ELECTRICITY ENERGY GROWTH, 35 YEAR PLANT LIFE
STATE SUBREGION: KENTUCKY (cont.)

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
					Carlisle	650	C
1999					Ballard	650	C
					Henry	650	C
					Ballard	650	C
2000					Henry	650	C
					Kenton	650	C
					Fulton	650	C

Table 96: SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, HIGH ELECTRICITY ENERGY GROWTH, 35 YEAR PLANT LIFE
STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
	Coshocton	Conesville 6	403	C			
1979	Clermont	Zimmer 1	810	N			
1982	Adams	Killen 2	600	C			
1983	Athens	Poston 5	403	C			
1985	Adams	Killen 1	600	C			
	Athens	Poston 6	403	C			
1986					Brown	650	C
					Morgan	650	C
1987					Brown	650	C
					Clermont	650	C
1988					Washington	650	C
					Clermont	650	C
					Washington	650	C
1989					Lawrence	650	C
					Monroe	650	C
1990	Clermont	Zimmer 2	810	N	Lawrence	650	C
1991					Monroe	650	C
					Muskingum	650	C
1992					Athens	650	C
					Muskingum	650	C
1993					Athens	650	C
					Pike	650	C
1994					Belmont	650	C
					Pike	650	C
					Belmont	650	C
1995					Scioto	650	C
					Warren	650	C
1996					Scioto	650	C
					Warren	650	C
					Tuscarawas	650	C
1997					Guernsey	650	C
					Tuscarawas	650	C
1998					Noble	650	C
					Clark	650	C
1999					Harrison	650	C
					Clark	650	C
2000					Perry	650	C
					Trumbull	650	C

Table 97: SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, HIGH ELECTRICITY ENERGY GROWTH, 35 YEAR PLANT LIFE
STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Beaver Valley 1	85	N			
1980	Beaver	Mansfield 3	917	C			
1982	Beaver	Beaver Valley 2	856	N			
1983	Armstrong	Lower Armstrong 1	630	C			
1984	Indiana	Seward 7	800	C			
	Beaver	Beaver Valley 2	29	N			
	Armstrong	Lower Armstrong 2	630	C			
1985	Armstrong	Lower Armstrong 3	630	C			
1986					Greene	650	C
1987					Washington	650	C
1988					Clarion	650	C
					Washington	650	C
1989					Clarion	650	C
1990					Venango	650	C
1991					Jefferson	650	C
1992					Venango	650	C
1993					Lawrence	650	C
1994					Mercer	650	C
1995					Lawrence	650	C
					Clearfield	650	C
1996					Butler	650	C
1997					Cambria	650	C
1998					Butler	650	C
1999					Fayette	650	C
					Westmoreland	650	C
2000					Fayette	650	C

Table 98. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, HIGH ELECTRICITY ENERGY GROWTH, 35 YEAR PLANT LIFE
STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1979	Pleasants	Pleasants 1	626	C			
1980	Pleasants	Pleasants 2	626	C			
	Mason	New Haven 1	1300	C			
1986					Wayne	650	C
					Jackson	650	C
1987					Wayne	650	C
					Jackson	650	C
1988					Pleasants	650	C
					Brooke	650	C
1989					Wetzel	650	C
					Brooke	650	C
1990					Wetzel	650	C
					Tyler	650	C
1991					Wood	650	C
					Tyler	650	C
1992					Wood	650	C
					Ohio	650	C
1993					Hancock	650	C
					Ohio	650	C
1994					Hancock	650	C
					Cabell	650	C
1995					Mercer	650	C
					Cabell	650	C
1996					Mercer	650	C
					Mingo	650	C
1997					Fayette	650	C
					Mingo	650	C
1998					Fayette	650	C
1999					Taylor	650	C
2000					Raleigh	650	C
					Taylor	650	C

Figure 17. SCENARIO 7: 45 YEAR LIFE

CONVENTIONAL COAL EMPHASIS, BASE CASE, HIGH ELECTRICAL ENERGY GROWTH

TOTAL PROPOSED COAL-FIRED GENERATING CAPACITY ADDITIONS, 1976-85

PLUS SCENARIO UNIT ADDITIONS

1986– 2000

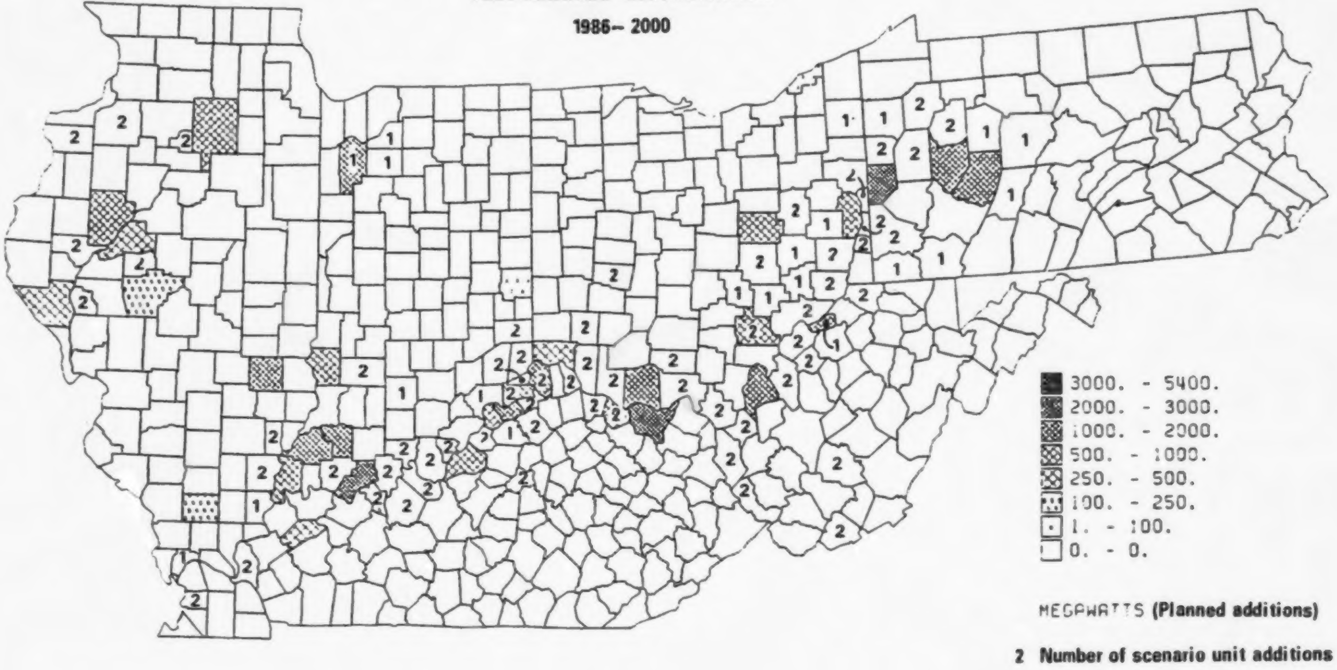

3000. - 5400.
2000. - 3000.
1000. - 2000.
500. - 1000.
250. - 500.
100. - 250.
1. - 100.
0. - 0.
MEGAWATTS (Planned additions)
2 Number of scenario unit additions

Table 99: SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, HIGH ELECTRICITY ENERGY GROWTH, 45 YEAR PLANT LIFE
STATE SUBREGION: ILLINOIS

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Fulton	Duck Creek 1	417	C			
1977	Jasper	Newton 1	617	C			
1978	Mason	Havana 6	450	C			
	Williamson	Marion 4	173	C			
	Sangamon	Dallman 3	192	C			
1979	LaSalle	LaSalle 1	1078	N			
1980	LaSalle	LaSalle 2	1078	N			
1981	Jasper	Newton 2	600	C			
	DeWitt	Clinton 1	950	N			
1982	Fulton	Duck Creek 2	400	C			
1984	Jasper	Newton 3	600	C			
	Pike	Pearl Station 2	500	C			
	DeWitt	Clinton 2	950	N			
1985	LaSalle	Unsited P3	550	C			
1986	Williamson	Marion 5	173	C			
1987					Mercer	650	C
1988					Edwards	650	C
1989	Fulton	Duck Creek 3	500	C	Mercer	650	C
1990	Fulton	Duck Creek 4	600	C			
1991					Edwards	650	C
					Scott	650	C
1992					Henry	650	C
					Scott	650	C
1993					Henry	650	C
1994					Menard	650	C
					Schuyler	650	C
1995					Menard	650	C
1996					Schuyler	650	C
1997					Putnam	650	C
1998					White	650	C
					Putnam	650	C
1999					White	650	C
					Gallatin	650	C
2000					Pulaski	650	C

Table 100: SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS,
HIGH ELECTRICITY ENERGY GROWTH, 45 YEAR PLANT LIFE
STATE SUBREGION: INDIANA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Jasper	Schaffer 14	521	C			
	Gibson	Gibson 1	650	C			
1977	Pike	Petersburg 3	532	C			
1978	Gibson	Gibson 3	650	C			
1979	Jasper	Schaffer 15	556	C			
	Posey	Brown 1	265	C			
	Gibson	Gibson 4	650	C			
1980	Sullivan	Merom 1	490	C			
1981	Spencer	Rockport 1	1300	C			
	Sullivan	Merom 2	490	C			
1982	Pike	Petersburg 4	532	C			
	Spencer	Rockport 2	1300	C			
	Jefferson	Marble Hill 1	1130	N			
1983	Posey	Brown 2	265	C			
1984	Jefferson	Marble Hill 2	1130	N			
1985	Wayne	Whitewater Valley 3	100	C			
	Switzerland	Patriot 1	650	C			
1986					Switzerland	650	C
1987	Posey	Brown 3	500	C	Ohio	650	C
					Switzerland	650	C
1988					Ohio	650	C
					Dearborn	650	C
1989					Jefferson	650	C
					Dearborn	650	C
1990	Posey	Brown 4	500	C	Starke	650	C
1991					Perry	650	C
					Pulaski	650	C
1992					Perry	650	C
					Warrick	650	C
1993					Jasper	650	C
1994					Warrick	650	C
1995					Crawford	650	C
					Floyd	650	C
1996					Crawford	650	C
					Floyd	650	C
1997					Harrison	650	C
					Greene	650	C
1998					Harrison	650	C
					Greene	650	C
1999					Franklin	650	C
					Lawrence	650	C
					Franklin	650	C
2000							

Table 101: SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, HIGH ELECTRICITY ENERGY GROWTH, 45 YEAR PLANT LIFE
STATE SUBREGION: KENTUCKY

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1977	Carroll	Ghent 2	550	C			
	Mason	Spurlock 1	300	C			
1978	Jefferson	Mill Creek 3	425	C			
1979	Webster	Green 1	240	C			
1980	Boone	East Bend 1	600	C			
	Jefferson	Mill Creek 4	495	C			
	Webster	Green 2	240	C			
1981	Carroll	Ghent 3	550	C			
	Mason	Spurlock 2	500	C			
1983	Trimble	Trimble 1	495	C			
	Lewis	Lewis 1	1300	C			
	Carroll	Ghent 4	550	C			
1984	Lewis	Lewis 2	1300	C			
	Hancock	Coleman 4	240	C			
	Boone	East Bend 2	600	C			
1985	Trimble	Trimble 2	495	C			
1986					Bracken	650	C
1987	Boone	East Bend 3	800	C			
1988	Trimble	Trimble 3	675	C	Bracken	650	C
1989					Gallatin	650	C
					Oldham	650	C
1990	Trimble	Trimble 4	675	C	Gallatin	650	C
1991					Oldham	650	C
					Mason	650	C
					Boone	650	C
1992					Mason	650	C
					Boone	650	C
					Meade	650	C
1993					Breckenridge	650	C
					Meade	650	C
					Breckenridge	650	C
1994					Campbell	650	C
					Livingston	650	C
1995					Campbell	650	C
					Livingston	650	C
					Anderson	650	C
1996					Hancock	650	C
					Anderson	650	C
1997					Hancock	650	C
					Owen	650	C
1998					Carlisle	650	C
					Owen	650	C

Table 101: SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, HIGH ELECTRICITY ENERGY GROWTH, 45 YEAR PLANT LIFE
STATE SUBREGION: KENTUCKY (cont.)

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1999					Carlisle	650	C
					Ballard	650	C
2000					Henry	650	C

Table 102: SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, HIGH ELECTRICITY ENERGY GROWTH, 45 YEAR PLANT LIFE
STATE SUBREGION: OHIO

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Coshocton	Conesville 5	403	C			
1977	Jefferson	Cardinal 3	615	C			
1978	Hamilton	Miami Fort 8	500	C			
	Coshocton	Conesville 6	403	C			
1979	Clermont	Zimmer 1	810	N			
1982	Adams	Killen 2	600	C			
1983	Athens	Poston 5	403	C			
1985	Adams	Killen 1	600	C			
	Athens	Poston 6	403	C			
1986					Brown	650	C
					Morgan	650	C
1987					Brown	650	C
					Clermont	650	C
1988					Washington	650	C
					Clermont	650	C
					Washington	650	C
1989					Lawrence	650	C
					Monroe	650	C
1990	Clermont	Zimmer 2	810	N	Lawrence	650	C
1991					Monroe	650	C
					Muskingum	650	C
1992					Athens	650	C
					Muskingum	650	C
1993					Athens	650	C
					Pike	650	C
1994					Belmont	650	C
					Pike	650	C
					Belmont	650	C
1995					Scioto	650	C
					Warren	650	C
1996					Scioto	650	C
					Warren	650	C
					Tuscarawas	650	C
1997					Guernsey	650	C
					Tuscarawas	650	C
1998					Noble	650	C
					Clark	650	C
1999					Harrison	650	C
					Clark	650	C
2000					Perry	650	C
					Trumbull	650	C

Table 103: SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS,
HIGH ELECTRICITY ENERGY GROWTH, 45 YEAR PLANT LIFE
STATE SUBREGION: PENNSYLVANIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1976	Beaver	Mansfield 1	917	C			
1977	Indiana	Homer City 3	693	C			
	Beaver	Mansfield 2	917	C			
	Beaver	Beaver Valley 1	800	N			
	Beaver	Shippingport	60	N			
1978	Beaver	Beaver Valley 1	85	N			
1980	Beaver	Mansfield 3	917	C			
1982	Beaver	Beaver Valley 2	856	N			
1983	Armstrong	Lower Armstrong 1	630	C			
1984	Indiana	Seward 7	800	C			
	Beaver	Beaver Valley 2	29	N			
	Armstrong	Lower Armstrong 2	630	C			
1985	Armstrong	Lower Armstrong 3	630	C			
1986					Greene	650	C
1987					Washington	650	C
1988					Clarion	650	C
					Washington	650	C
1989					Clarion	650	C
1990					Jefferson	650	C
1991					Venango	650	C
1992					Jefferson	650	C
1993					Lawrence	650	C
1994					Mercer	650	C
1995					Lawrence	650	C
1996					Clearfield	650	C
1997					Butler	650	C
1998					Cambria	650	C
1999					Butler	650	C
2000					Fayette	650	C

Table 104. SCHEDULE AND SITES FOR CAPACITY ADDITIONS, 1976-2000
SCENARIO 7: CONVENTIONAL TECHNOLOGY, BASE CASE CONTROLS, HIGH ELECTRICITY ENERGY GROWTH, 45 YEAR PLANT LIFE
STATE SUBREGION: WEST VIRGINIA

	Planned Additions				Scenario Unit Additions		
Date	County	Name	MWe	Fuel	County	MWe	Fuel
1979	Pleasants	Pleasants 1	626	C			
1980	Pleasants	Pleasants 2	626	C			
	Mason	New Haven 1	1300	C			
1986					Wayne	650	C
					Jackson	650	C
1987					Wayne	650	C
					Jackson	650	C
1988					Pleasants	650	C
					Brooke	650	C
1989					Wetzel	650	C
					Brooke	650	C
1990					Wetzel	650	C
1991					Tyler	650	C
					Wood	650	C
1992					Tyler	650	C
					Wood	650	C
1993					Ohio	650	C
					Hancock	650	C
1994					Ohio	650	C
					Hancock	650	C
1995					Cabell	650	C
1996					Mercer	650	C
					Cabell	650	C
1997					Mercer	650	C
1998					Mingo	650	C
1999					Fayette	650	C
					Mingo	650	C
2000					Fayette	650	C